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## 911 GT3 Cup

Modelljahr 2009 / Version 2009

**For guarantee refer to sales contract**

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**For order informations please click on this text.**

## ***Please note:***

### ***Foreword:***

*This parts catalogue is valid for the 911 GT3 Cup (Typ 997), construction year from September 2008 to March 2009*

*chassis number WPO ZZZ 99 Z 9S7 98001 - 98300*

*engine number M97/75 6 1 9 21001 - 22000*

### ***Reference:***

*- „n.B.“ in columne St./Pc. means: as needed*

*- The numbers marked with „R“ are raceparts and can be only ordered at Porsche Customer Motorsport Weissach, Germany or Santa Ana, USA.*

*- The numbers without a symbol are stockparts and can be ordered at your nearest Porsche dealer.*

### ***If you want to receive your sport parts correct and in time, please notice the following points:***

*- Mailorders should be typewritten*

*- Invoice-address and delivery-address must be noticed.*

*- Are there no part numbers listed, please send samples or drawings with specific measurements.*

*- Type, construction year and chassis number must be noticed*

*- State engine number*

*- Part number and description must be noticed*

*- Remitted samples should have a tag with your name and address, reference to order, also number of engine.*

*- For orders by phone - no guarantee - of correct shipment.*

*- Designation like „front“, „rear“, „left“ and „right“ are given in the sense of direction.*

*We reserve the right to modify or alter design or specification without prior notification.*

*Dr. Ing. h.c. F. Porsche AG*

*Edition August 2008*

*Made in Germany*

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## Safety instructions

Only for Service CD:

To jump directly to a specific chapter click on the appropriate line.

By using the arrow keys on the keyboard it is possible to page through the chapter.

By pressing the "BACK" button at the bottom of every page it is possible to return to the contents page.



## **911 GT3 Cup 2009 Model competition car**

This car is specifically designed for participation in one-make cup competitions.

For obvious reasons, measurements referring to bodywork dimensions of the production cars cannot be used as reference. Porsche accepts no guarantee that the vehicle conforms to the regulations.

The car can not be registered for road use and does not comply with German road traffic regulations.

Illustrations, descriptions and schematic drawings serve exclusively as presentation for the text. Porsche Motorsport accepts no liability for the completeness and conformity of the contents of this brochure with respect to the legality of the current regulations.

**General Technical Data**

Chassis number: from	WPO ZZZ 99 Z9S 7 98001
Car model:	997 830
Engine model:	M 97/75
Gearbox model:	G 97/ 63
Number of gears:	6

**Weight**

Dry weight:	approx. 1170 kg
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**Dimensions**

Overall length (mm)	4450
Maximum width (mm)	1815
Wheelbase (mm)	2355
Front track width (mm)	1516
Rear track width (mm)	1561

## Engine Technical Data

Engine model	M97/75
Construction	Six-cylinder boxer
Type of cooling	water cooled
Number of cylinders	6
Cylinder bore (mm)	99.98
Stroke (mm)	76.4
Actual cubic capacity	3598 cm <sup>3</sup>
Compression ratio	12.0 (- 0.4):1
Maximum power	309 kW / 420 PS
Maximum power at	7500 r.p.m.
Maximum torque	410 Nm
Maximum torque at	6500 r.p.m.
Maximum engine revs in 1 <sup>st</sup> to 6 <sup>th</sup> gears	8400 r.p.m.

**Valves:**

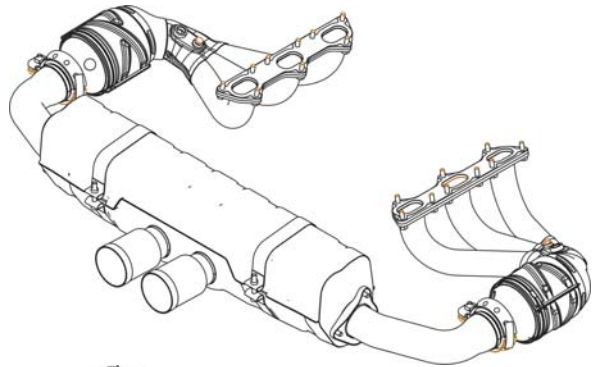
The exhaust valves are sodium filled standard GT3 production specification.

**Exhaust system:**

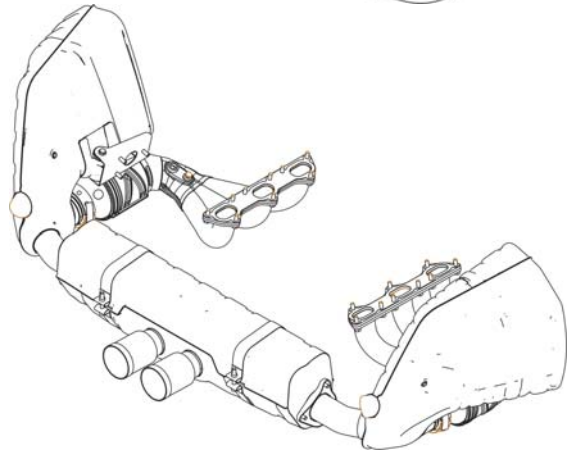
Exhaust system with cat-manifold (integrated catalytic converte) and silencer.

**Noise emissions are subject to country specific regulations.**

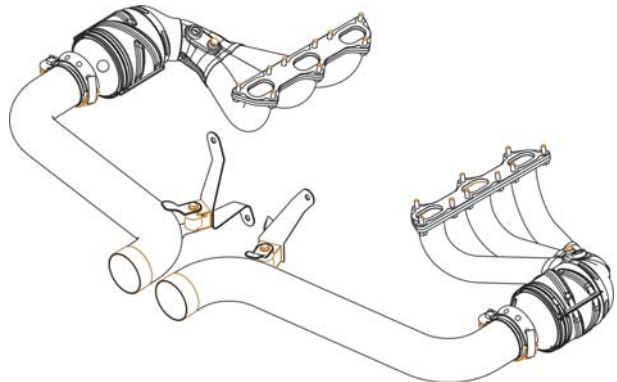
**Delivery version without presilencer**



**Delivery version including presilencer**



**Supercup version**



**Engine cooling:**

The engine cooling is made by a water/oil heat-exchanger fitted to the water cooling system.

**Induction system:**

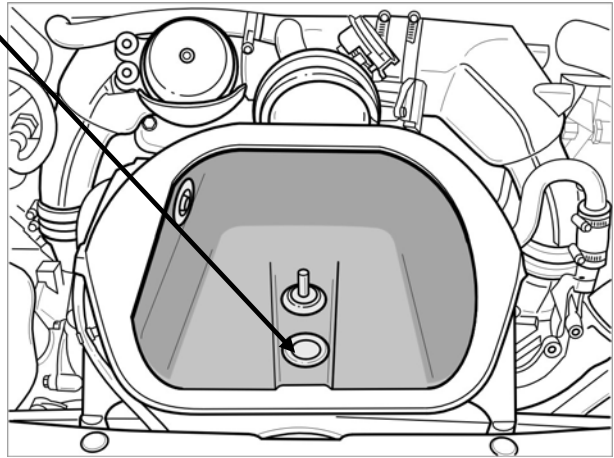
Multi-stage – resonance – induction channel

Central air intake plenum

Replaceable air filter in trunk lid

**Attention:**

**The rubber sleeve in the connecting part must be removed when racing in the rain.**



**Air filter element:**

**Attention:**

**Do not clean the air filter element with high-pressure.**

**Carefully remove the air filter element**

**Place the filter in a suitable water filled container.**

**Allow the filter to dry (without air pressure or hot air gun)**

**Afterwards impregnate the filter with filter oil spray.**

### Throttle cable adjustment:

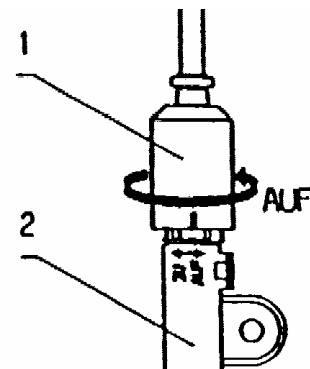
The throttle cable adjustment is made on the connecting part

The two throttle cables are joined with the connecting piece in the cockpit behind the drivers' seat. This connection part removes the play from the cables by means of a spring. The adjustment of the connection part is carried out as described in step 1.

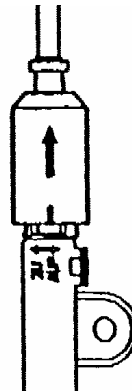
### The throttle cable adjustment is made in 3 steps:

Tension free setting of throttle cable:

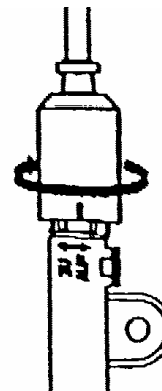
Unscrew the quick adjustment cap (1) to the thread stop.



The spring force automatically removes the play from both cables.



Tighten the screw cap (1) until it clicks clearly into place. In the closed position, the marking on the screw cap must cover the marking 'Zu' on the connection piece (2).

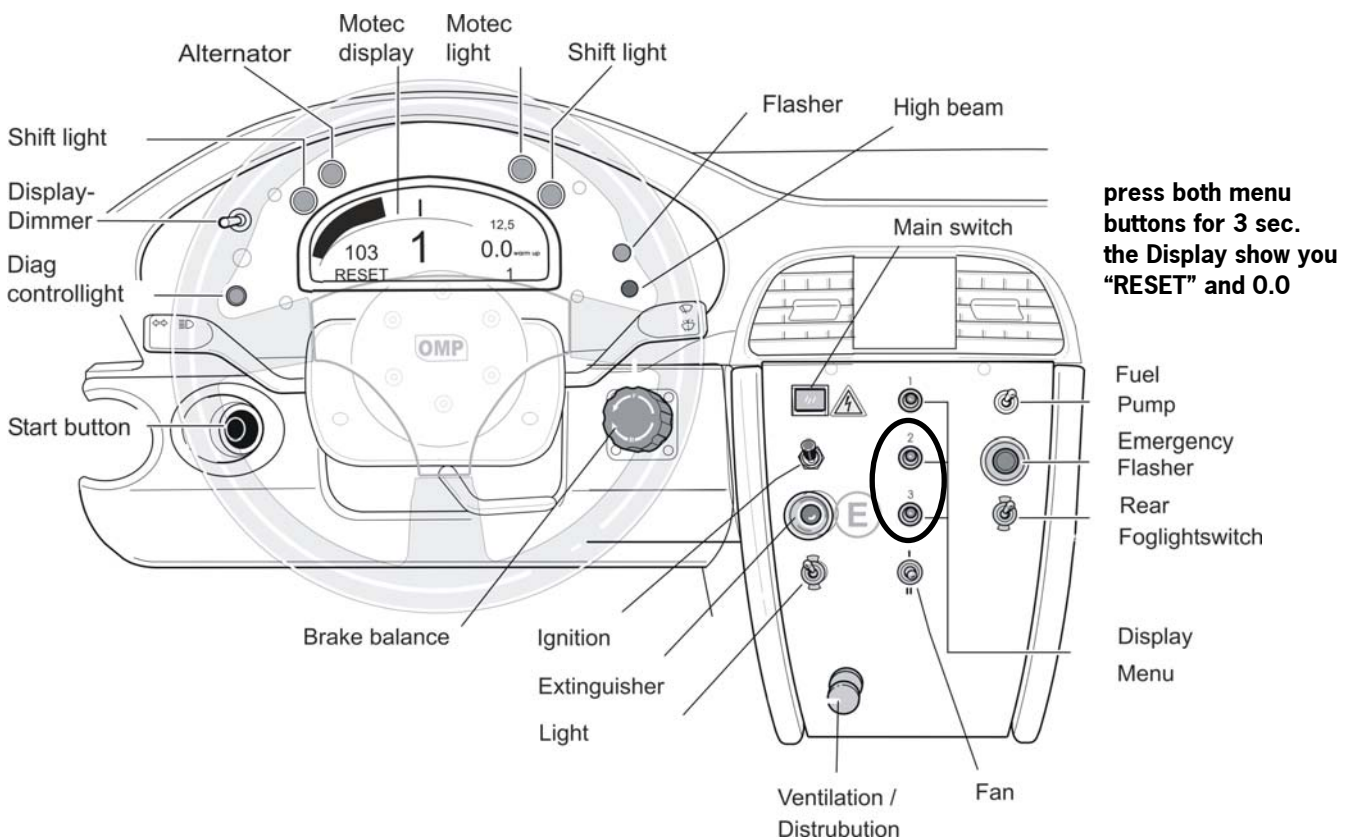


## Re-setting the throttle

Re-setting the throttle is always necessary if the ECU or the throttle sensor were changed or replaced.



- Disconnect throttle cable
- Rotate the knurled screw (idle adjustment screw) anti-clockwise till a gap is visible between the cam-disc and the idle adjustment screw (throttle completely closed).
- select warm up mode in MoTeC display
- press both menu button for 3 sec
- the Display shows you "RESET" and 0,0
- Open throttle 6.5% with the idle adjustment screw (refer to MoTeC display).
- Lock idle adjustment screw
- Connect throttle cable
- heck full throttle (refer to MoTeC display 100%)



## **Cooling system maintenance**

### **General information:**

The cooling system can be filled, bleed and emptied from a quick release coupling fitted in the bleed line leading from the front mounted side coolers, rearwards to the expansion tank in the engine bay.

The valve in the expansion tank allows the exhaust of steam at a pressure of 1.4 bar (+/- 0.1 bar), and the release of water at a pressure of 1.8 – 2.0 bars.

The bleed valve on the expansion tank fitted to the race car is permanently open.

An electronic cooling system filler specifically suited to the 997 GT3 Cup can be purchased directly from Sobek.

Bernd Sobek - Mattern

Fliederstrasse 10

D - 69517 Gornheimertal

Tel +49 (0) 6201 2051

Fax +49 (0) 6201 21834

e - mail [info@sobek-mattern.de](mailto:info@sobek-mattern.de)

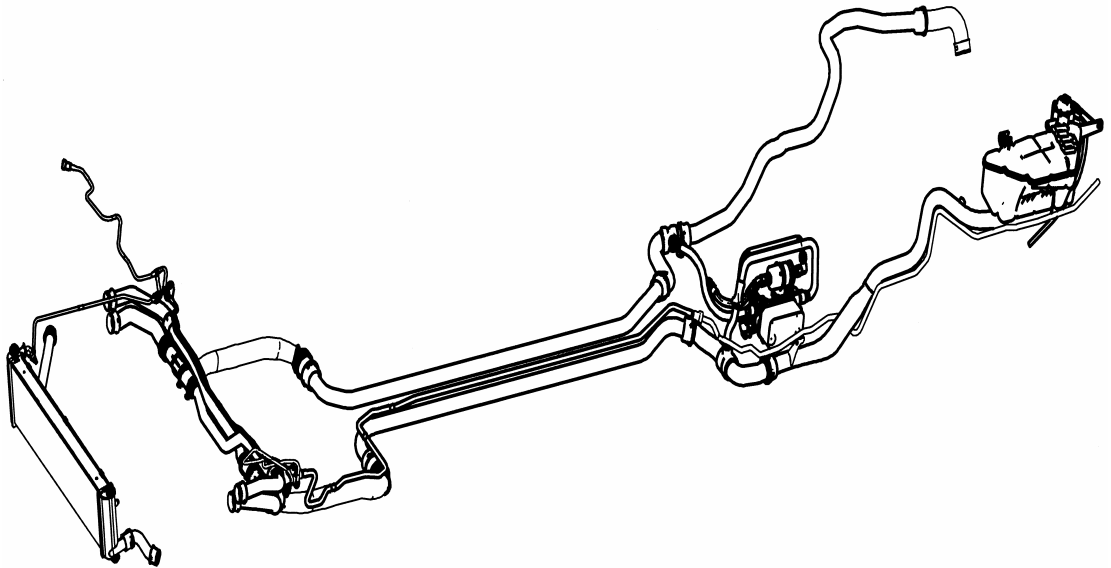


## Filling the cooling system (engine cold) with an electronic filling system

To fill the cooling system when the engine is cold, open the quick release coupling and connect the electronic filling system.

- Switch on the pump and fill the cooling system with the cooling fluid valve open.
- Leave the filling system connected and allow the cooling fluid to circulate through the system to ensure that the cooling system is pre-bleed sufficiently.
- Afterwards disconnect the filling system and warm the engine up. If the system level drops, top up the system to the 'max' mark on the expansion tank by connecting the pressure bottle to the closed system.
- Additional information about the electric filling system can be found in the Sobek Technical Information.

## 911 GT3 Cup (Type 997) cooling system



## Clutch

### 5 ½" 3-plate sintered bronze clutch with central release mechanism

#### Mounting instructions:

With multi-plate clutches care should be taken that the splined hub is as well aligned as possible with the sintered plates.

**(Special alignment tool, Porsche Nr. 996.450.335.90)**

Smear the splines lightly with grease and slide the clutch plates along the splined input shaft till the hub moves easily on the shaft. Remove excess grease.

Make sure no grease is smeared on the clutch plates.

#### Wear:

Sintered clutch plate, new thickness 2.6 mm

Replace clutch plates when minimum thickness is: 2.2 mm

The diaphragm spring clamping force remains constant to this minimum thickness, reduces when minimum thickness exceeded.

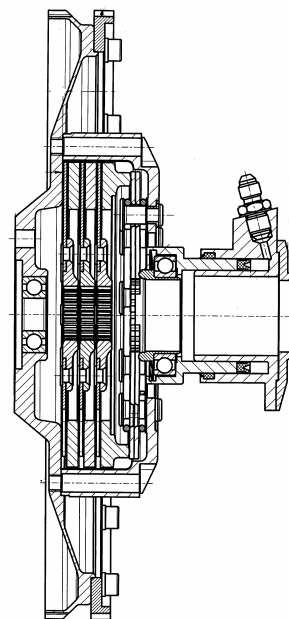
#### Fluid:

Endless RF - 650 ET No 996.355.960.90

#### Caution:

If there are several trial starts in one lap, it can cause a thermal overload and thus the failure of the clutch lead

#### Assembly diagram:



## Gearbox G 97 / 63

The Porsche six-speed sequential gearbox is fitted with a limited slip differential, and oil filter and a water / oil heat-exchanger for cooling purposes. All gear ratio pairs can be changed individually to suit driver preference, engine and the circuit characteristics. The gear pairs are uniquely matched and should never be mixed. If one gear is damaged the gear pair should be discarded.

**Only one gear ratio set is allowed in the one-make cup races.**

When filling the gearbox with oil for the first time, i.e. when the complete system, including cooler, filter and oil lines are dry, the system capacity is 3.6 liters. Following a gear ratio change only 3.0 liters of oil should be added. The use of Mobil 'Mobilube' SHC gearbox oil is recommended.

### Production gear ratio set:

Crown wheel and pinion		8/32
1 <sup>st</sup> gear	12/38	997.302.961.6E
2 <sup>nd</sup> gear	15/32	997.302.962.6C
3 <sup>rd</sup> gear	18/31	997.302.963.6E
4 <sup>th</sup> gear	20/28	997.302.964.6J
5 <sup>th</sup> gear	23/26	997.302.966.9N
6 <sup>th</sup> gear	29/27	997.302.966.9L

### Limited slip differential:

The locking torque of the differential is 40 % (drive) and 60 % (coast) (Dynamic locking value).

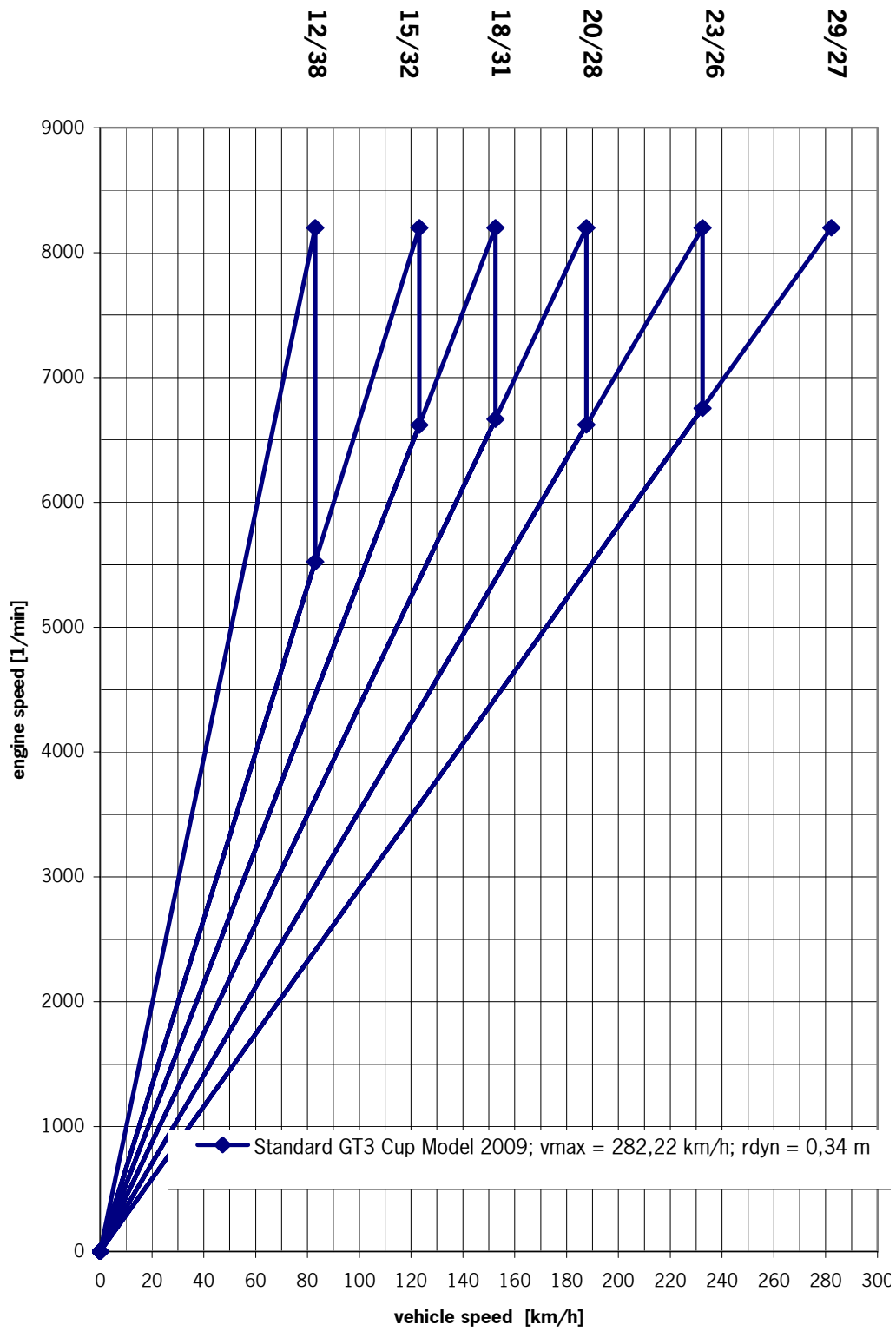
The differential lock is checked by means of friction force measurement in which the preload and wear of the clutch plates is checked.

**See page 16**

### Gearbox mounting:

A solid gearbox mount reduces the relative movement of the complete drive train. The result is improved handling particularly during weight transfer due to on/off throttle application. Using the solid gearbox mounting increases the noise level in the cockpit.

**Gear ratio chart 911 GT3 Cup Type 997 model 2009**



## Changing gear:

The car is equipped with a six-speed sequential gearbox, which means that all gears are selected in sequence. Up shifting is made by pulling the gear lever rearwards and down shifting by pushing the gear lever forwards. The shift mechanism is connected to the gearbox by a push/pull shift cable.

A gear lever force sensor is integrated in the gear knob, which activates an ignition cut, and therefore a cut in propulsion, when pulled. This allows full power up shifts to be made.

**Attention: It is absolutely necessary to change gears as quickly as possible. Shifting gears too slowly can cause an increase in wear or damage to the dog teeth.**

**Due to wear, always blip the throttle and use the clutch when down shifting.**

## Gearbox maintenance:

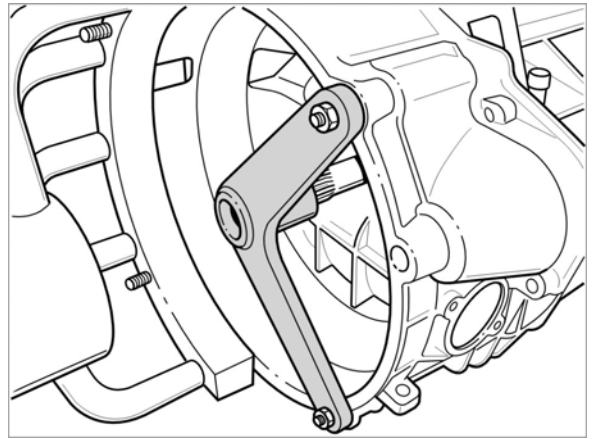
The following work should be carried out after a total running time of **approximately 2000 km:**

- Check gear ratio pairs (gear teeth and dog teeth)
- Check the dog rings.
- Check the gear hub and gear roller bearings for signs of wear and pitting.
- Check the oil for signs of metallic debris.
- Check the crown wheel and pinion for pitting
- Replace the pinion bearing (4-point bearing)
- Replace the oil filter
- Replace the shift cable

Note: The gearbox disassembly and assembly instructions are described in this brochure. These give you the possibility to replace damaged or worn parts. In the event of more comprehensive damage, which requires the replacement of castings, we recommend that this work is carried out by Porsche Motorsport. Intricate measurement and adjustment work, which is not described in these instructions, is required to ensure that the gearbox works perfectly.

## Dismantling the gearbox:

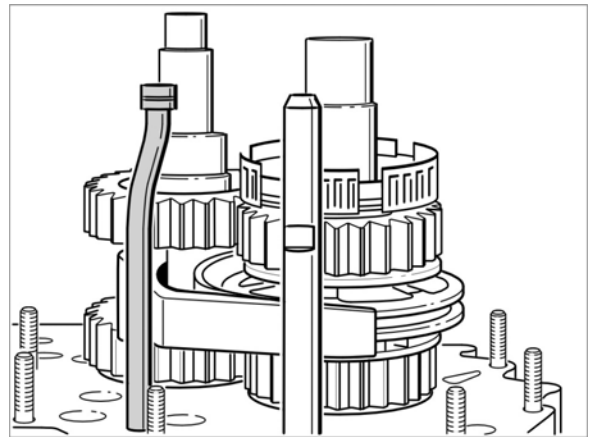
Clamp the input shaft using the special tool



Remove the gearbox cover nuts and then slide off the cover.

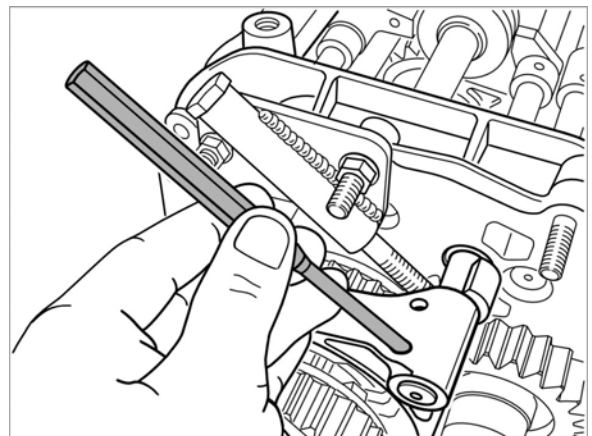
Remove the oil pipe retaining screws before pulling out the oil pipe.

Engage 1<sup>st</sup> gear



Drive out the 5<sup>th</sup> / 6<sup>th</sup> gear selector fork roll-pins with a suitable drift.

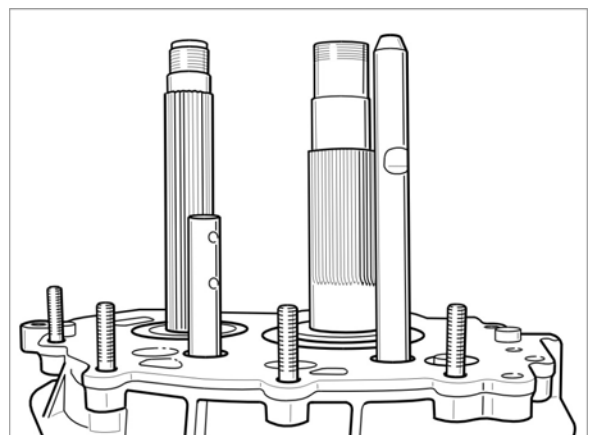
**Attention: When removing the roll-pins always support the selector fork with special tool 996.450.315.9A.**



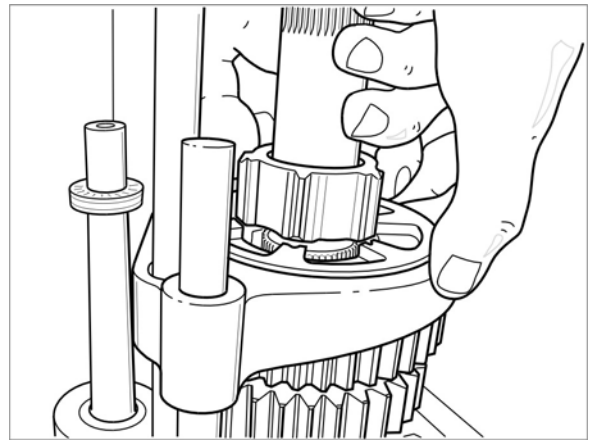
Remove the collared-nuts from the input and pinion gear shafts.

Remove the reverse gears and roller bearings.

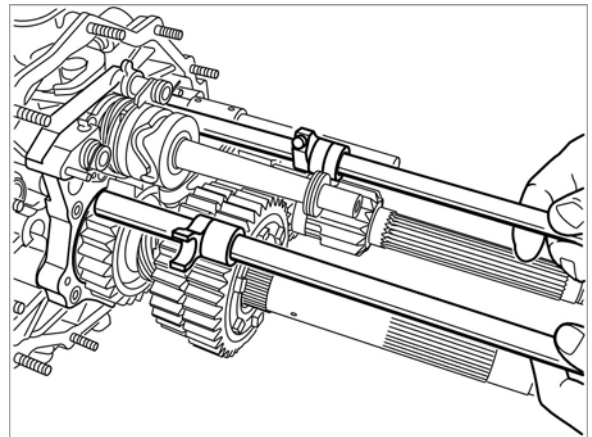
Remove the 5<sup>th</sup> and 6<sup>th</sup> gear ratio wheels, hubs, dog rings and the 5<sup>th</sup> / 6<sup>th</sup> gear selector fork etc.



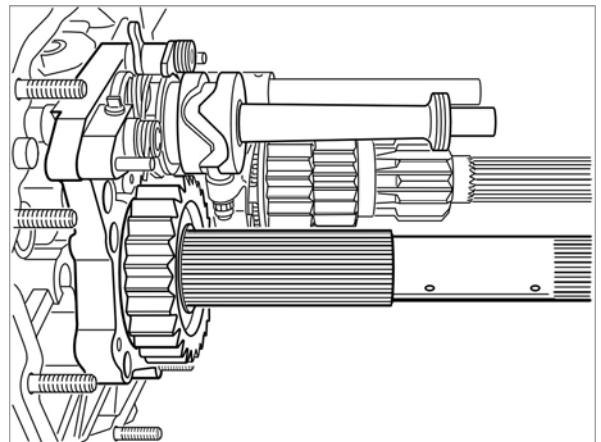
- Remove the gear housing nuts and take off the housing.
- Remove roller bearing.
- Remove the 1<sup>st</sup> gear ratio wheel.
- Remove the 1<sup>st</sup> / 2<sup>nd</sup> gear dog-ring hub.
- Remove the selector rod including the 1<sup>st</sup> / 2<sup>nd</sup> gear selector fork.



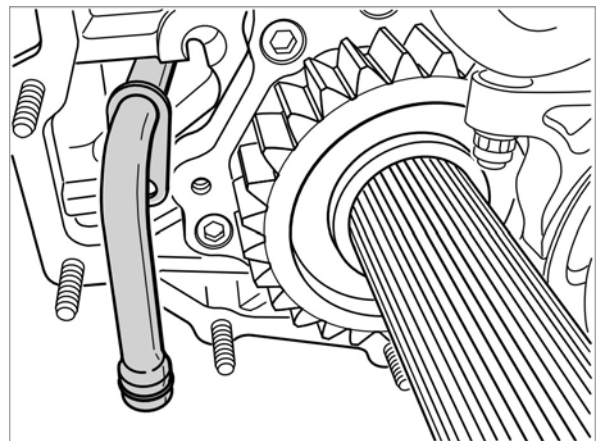
- Remove the 5<sup>th</sup> / 6<sup>th</sup> gear selector rod and reverse gear.



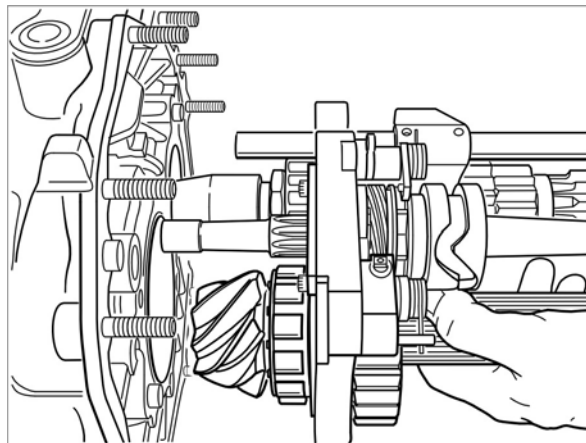
- Remove all gear ratios, hubs etc from the pinion gear shaft.



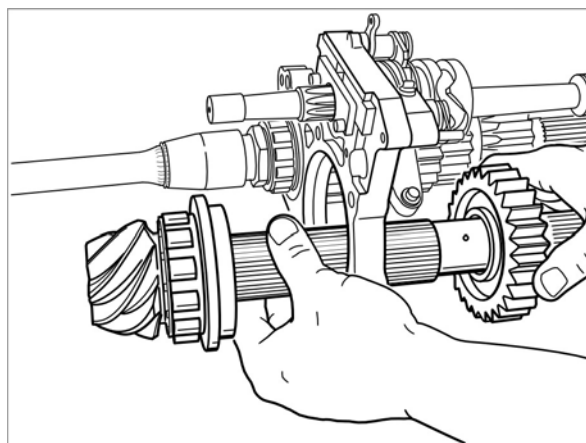
- Loosen the oil scavenge pipe and twist to the side.



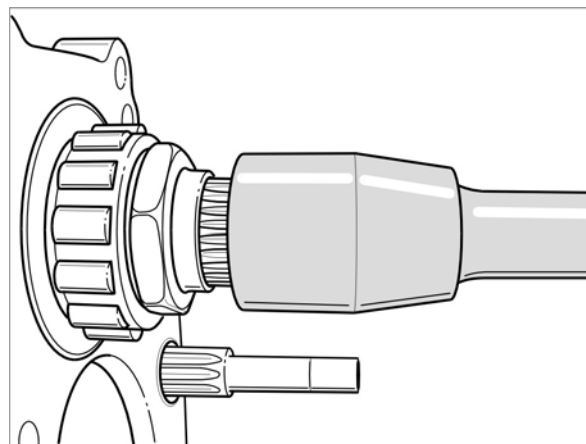
Loosen the mounting plate (7x M8 cap head socket screws) and remove completely.



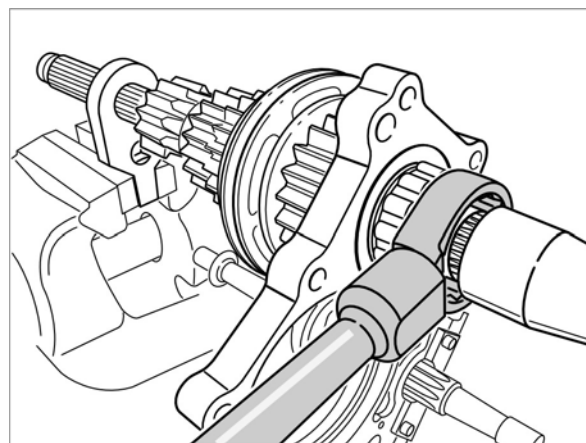
Pull the pinion gear shaft out of the mounting plate.  
After the removing the mounting plate, remove the selector rod with the 3<sup>rd</sup> / 4<sup>th</sup> gear selector fork.



Remove the circlip and sliding sleeve from the input shaft.

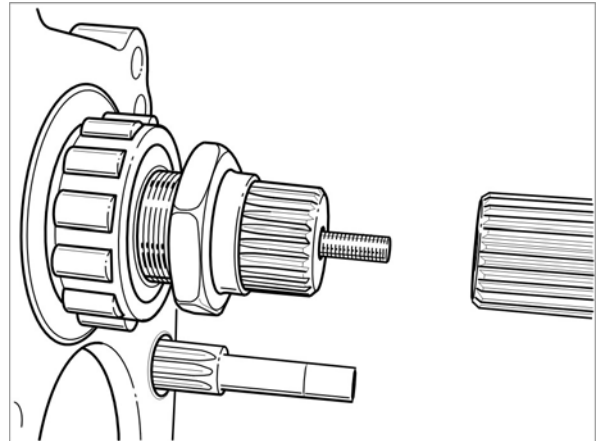


Clamp the input shaft with the special tool and loosen the collared nuts.

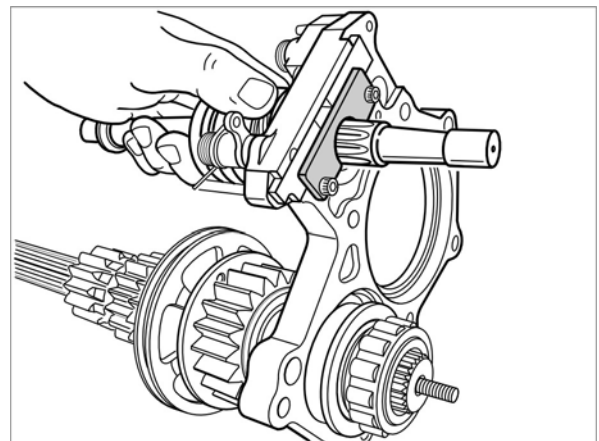




Separate input shaft



Pull the input shaft out of the mounting plate.



**Limited slip differential:**

The limited slip differential has a basic locking torque of 40% (drive) and 60% (coast). (Locking rate dynamic).

**Notice:**

In the event of repair work being carried out always replace the complete clutch pack.

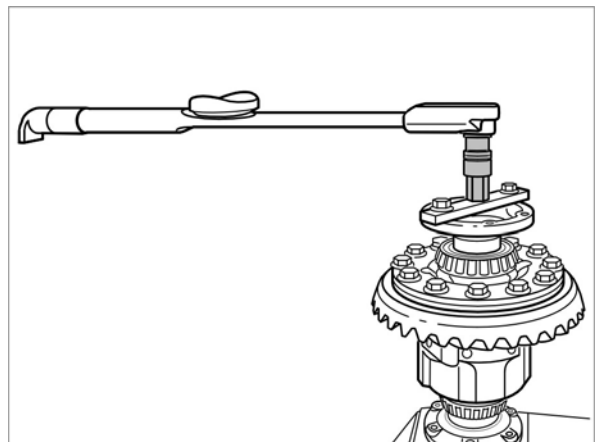
Changing individual plates is not permitted.

When reassembling the differential smear all the friction faces, pressure plates and the axles with gearbox oil.

To check the basic locking torque, a flange with two bolts

should be mounted in a vice; the second flange with the connection piece should be fitted to the differential.

Turn the diff with a torque wrench. A basic torque of between 100 Nm and 180 Nm should be achieved.

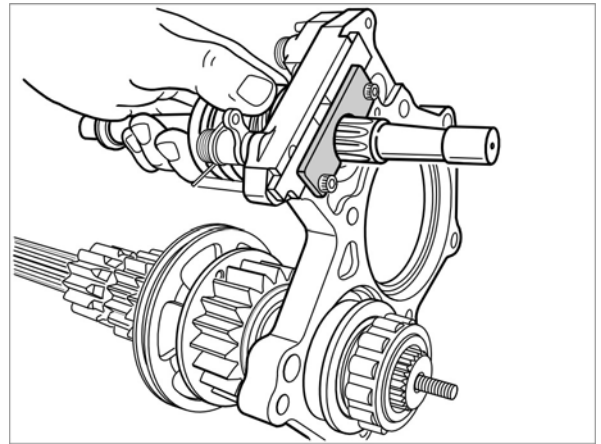


**Gearbox assembly:**

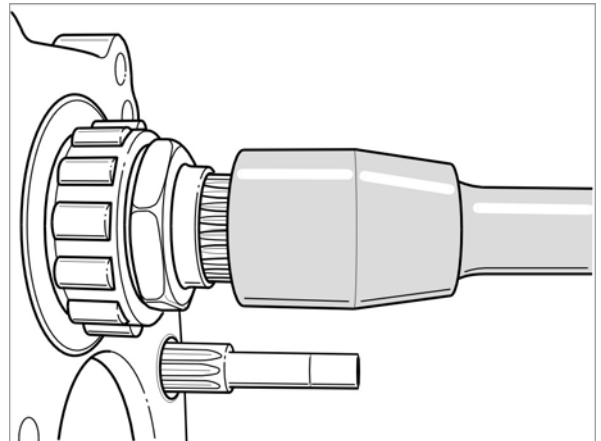
Fit the splined 2<sup>nd</sup> gear and the 3<sup>rd</sup> and 4<sup>th</sup> idler gear wheels etc to the input shaft before pushing the complete shaft through the mounting plate.

Clamp the input shaft using the special tool.

Tighten the collared input shaft nut to 220 Nm.



Bolt together the split input shaft and fit the sliding sleeve and circlip.

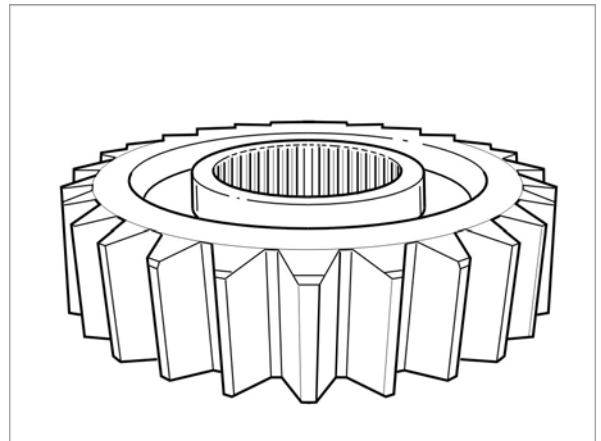


Fit the selector rod with the 3<sup>rd</sup> / 4<sup>th</sup> selector fork and push the cam follower into selector barrel track.

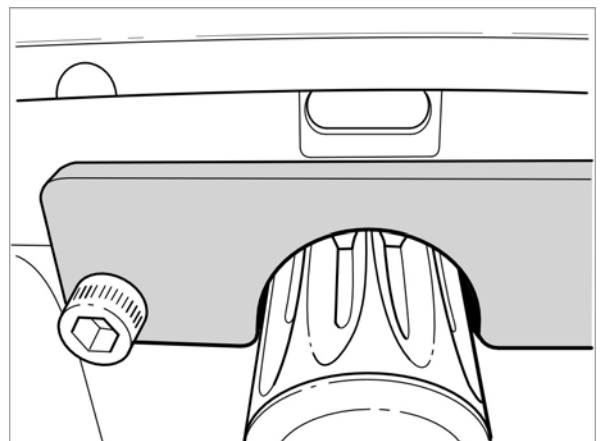
Push the pinion gear shaft into the mounting plate.

Fit the splined 4<sup>th</sup> gear wheel to the pinion gear shaft.

**Attention: The 3<sup>rd</sup>/4<sup>th</sup> fixed gear wheel is not symmetrical and must be mounted with the raised surface facing the mounting plate.**

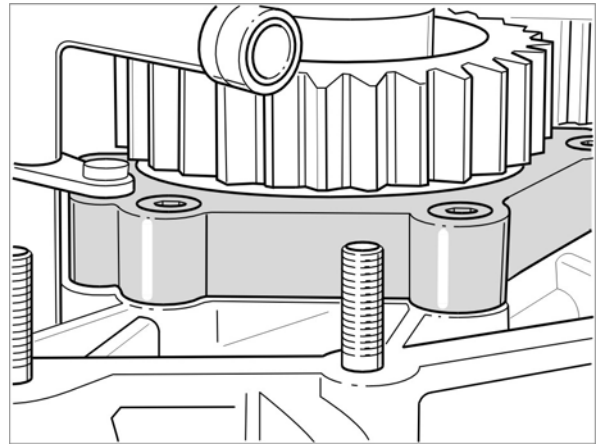


Mount the gear selector barrel-drive in position before fitting the mounting plate.

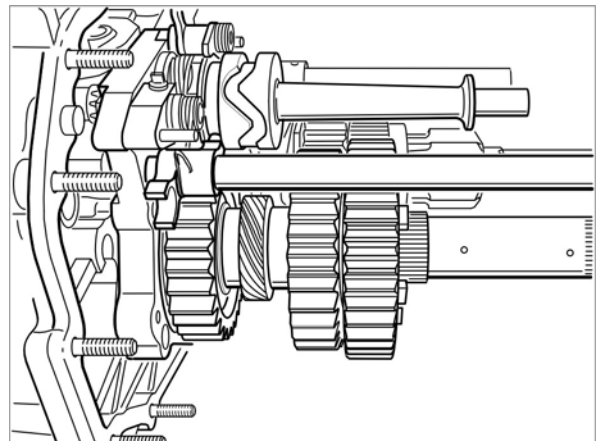


Fit the complete mounting plate to the differential housing and tighten (7x M8 cap head screws). Lightly coat the threads with Loctite 243.

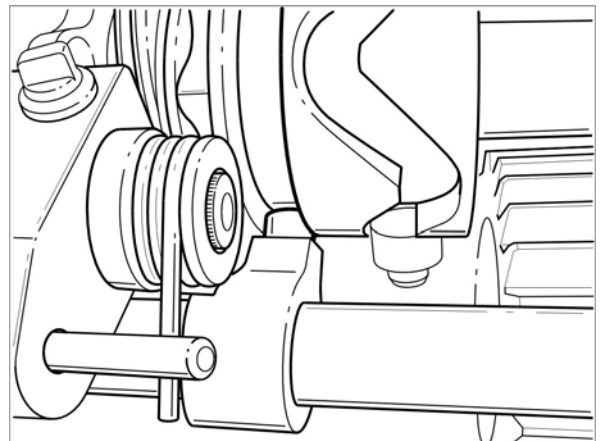
**Attention: The gearbox must be positioned vertically before fitting the mounting plate.**



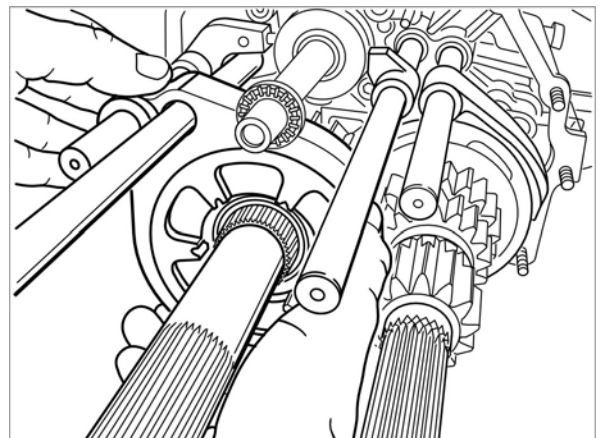
Rotate the selector barrel to the 1<sup>st</sup> gear position.  
Slide the oil pump drive, spacer, 3<sup>rd</sup> gear, bearing hub, needle roller bearing and 2<sup>nd</sup> gear to the shaft.



Mount the reverse gear gear-shift rod.

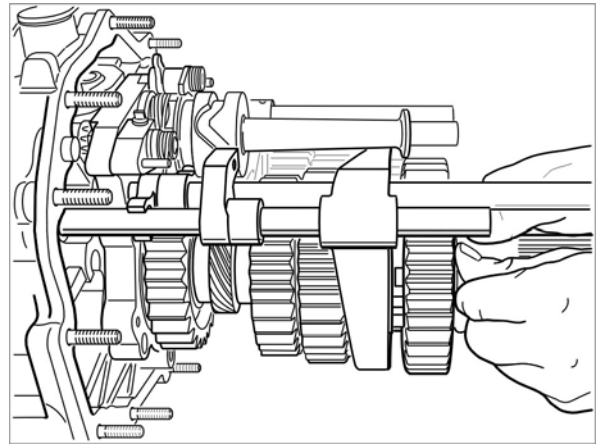


Slide on the dog-ring, 1<sup>st</sup> / 2<sup>nd</sup> selector fork and selector rod.



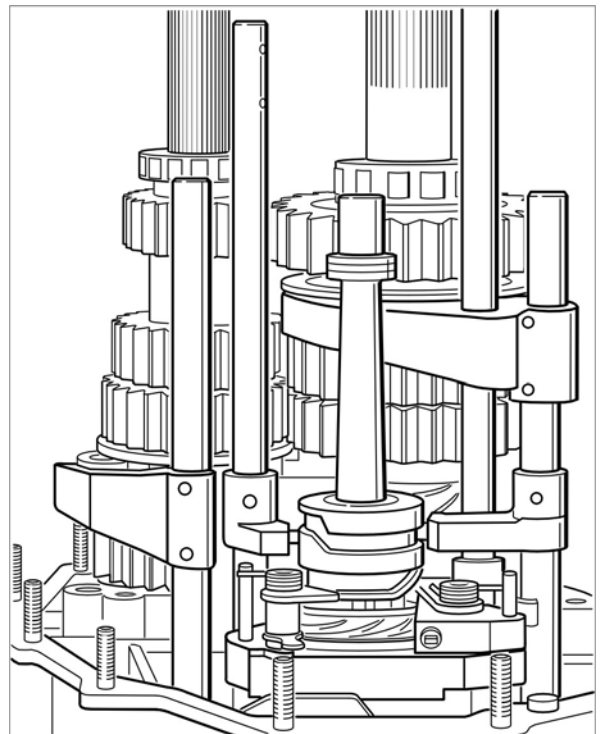
Fit 1<sup>st</sup> gear dog-ring hub.

Push the 1<sup>st</sup> gear idler wheel onto the shaft.

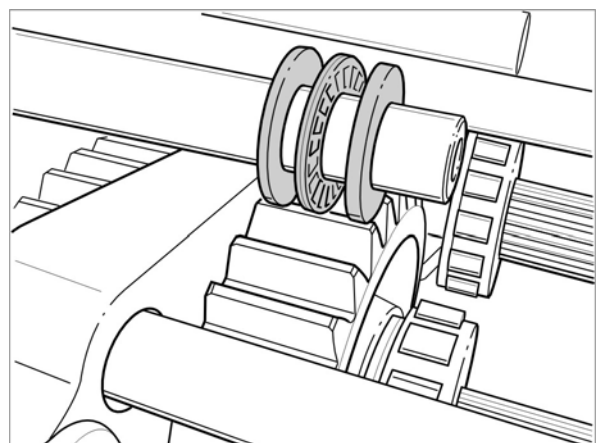


Fit the 5<sup>th</sup> / 6<sup>th</sup> gear selector rod with cam follower.

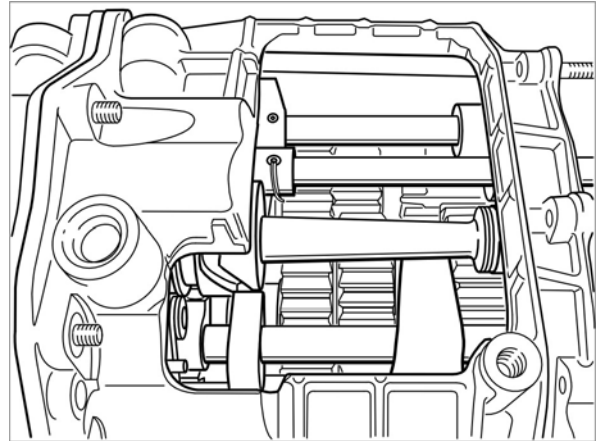
Fit the roller bearing.



Fit the axial needle roller bearing and spacer ring to the selector barrel.

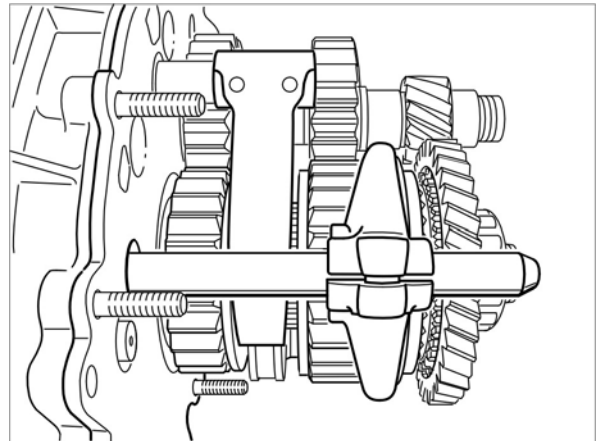


Mount the cut away gear cluster housing. Part 996.450.319.9A

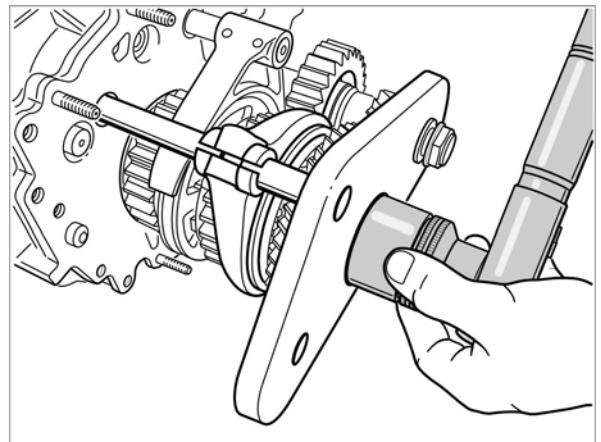


Fit the splined 6<sup>th</sup> gear spacer hub and the 6<sup>th</sup> gear idler wheel, guide hub, dog-ring, selector fork and 5<sup>th</sup> gear idler wheel to the pinion gear shaft. Fit the splined 5<sup>th</sup> gear wheel to the input shaft.

Fit the reverse gear and afterwards the selector fork.

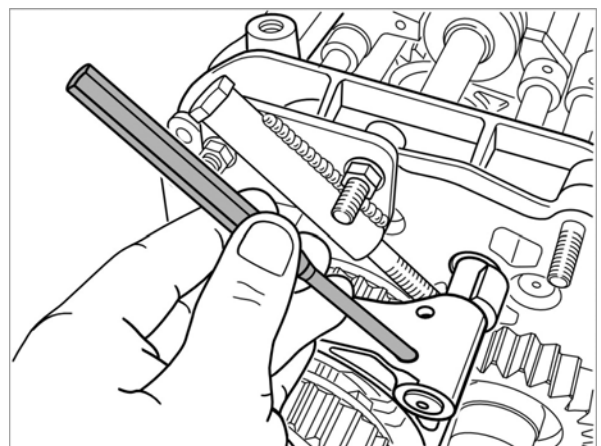


Tighten the collared input shaft nut to 220 Nm torque.  
Tighten the collared pinion shaft to 330 Nm torque.



Secure the 5<sup>th</sup> / 6<sup>th</sup> gear selector fork with the roll-pin.

**Attention: When pressing in the roll-pin always support the selector fork with special tool 996.450.315.9A.**

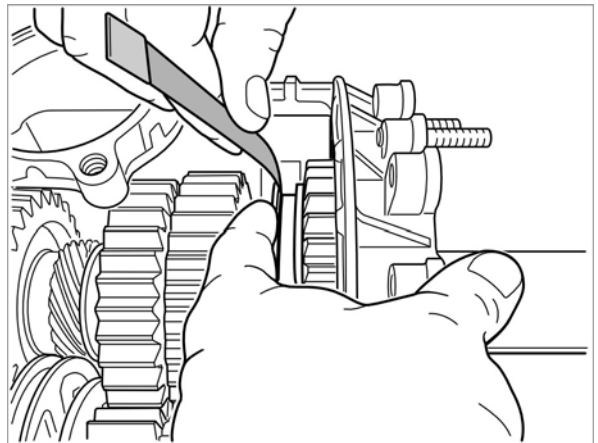


Check the free play of the 1<sup>st</sup>/2<sup>nd</sup> and 5<sup>th</sup>/6<sup>th</sup> gear dog-ring guide hubs.

Select the gears and bring the dog-ring into position by hand.

There should be 0.1mm play, on each side, between the dog-ring and selector fork.

**Attention: Insufficient gear-selector fork play can be adjusted by fitting the spacer ring H3. (H3 spacer ring, see sketch in appendix).**



Loosen the collared input and pinion gear shaft nuts.

Remove the reverse gears, 5<sup>th</sup> / 6<sup>th</sup> gears etc

Remove the cut away housing and fit the gear wheel housing

Fit the reverse gears, 5<sup>th</sup> / 6<sup>th</sup> gears etc.

Tighten the collared input and pinion shaft nuts.

Fit the special reverse gear tool 996.450.311.9A.

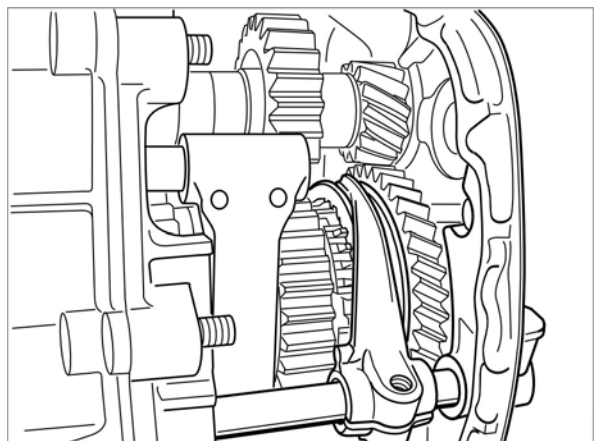
Engage reverse gear by rotating the selector barrel.

Slide the selector fork and dog-ring till reverse gear is fully engaged.

**Attention: There must be play on both sides between the selector fork and dog-ring.**

Tighten the clamping screw in this position.

**Attention: The reverse gear selector fork clamp screw must only be tightened when the cut away housing is in position**



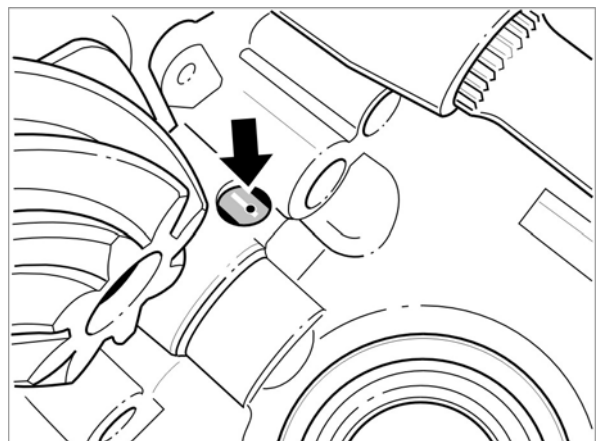
Remove the cut away gearbox cover.

Fit the oil tube, without the use of excessive force, to the casing and locate in position with the retaining screw.

**Attention: If fitted incorrectly, the oil tube can collide with the gear shift forks.**

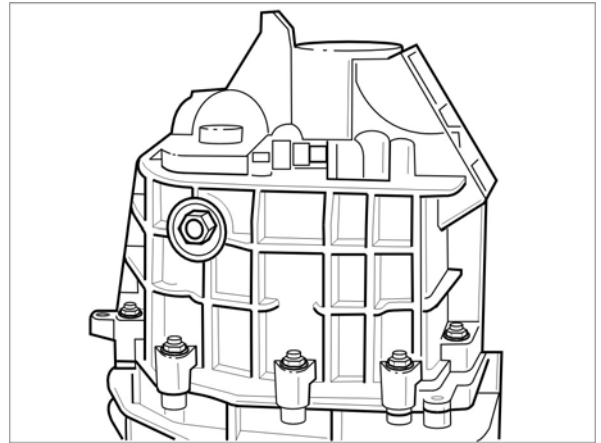
When the oil tube is fitted correctly it is visible through the bore in the differential housing.

This visual check is only possible with the differential removed.



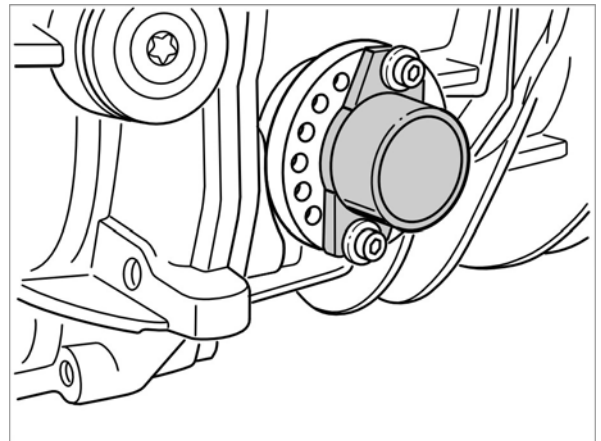
Smear the gearbox cover mounting faces lightly with sealing compound.

Tighten the gearbox cover (M8 spring washers and nuts).

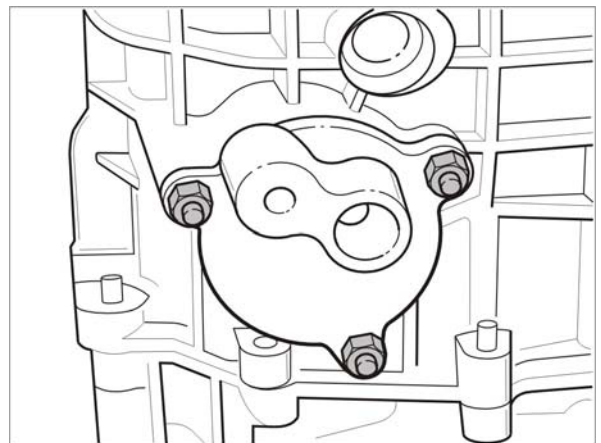


Fit the drive shaft and gear recognition potentiometer as marked during removal.

**Attention: The potentiometer MUST be adjusted after the gearbox has been fitted to the car (refer to Potentiometer Adjustment).**



Mount the oil pump.



### Changing the selector barrel:

To remove the locking pawl neutral latch and alignment pawl, unscrew the selector barrel and lock.

Raise the selector barrel.

**Attention: When removing the barrel, make sure that the locking pawls, springs etc do not fall out.**

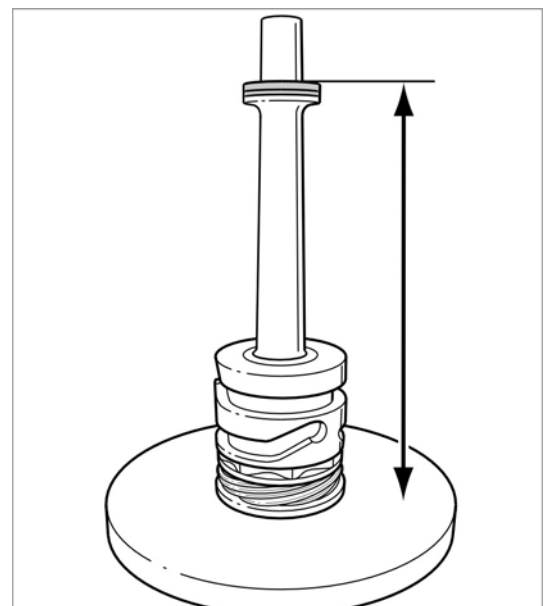
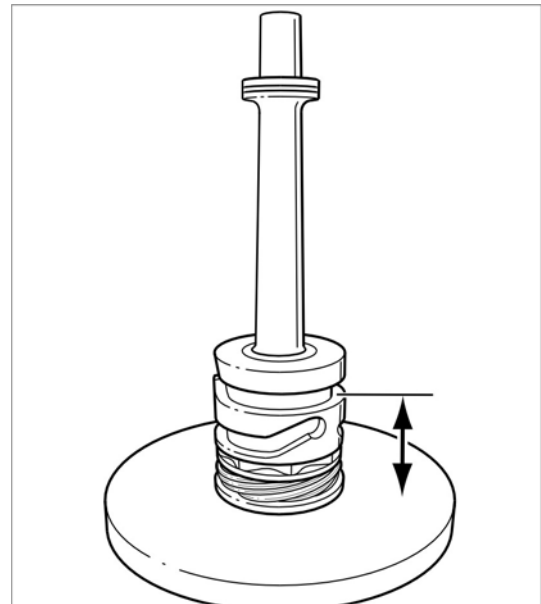
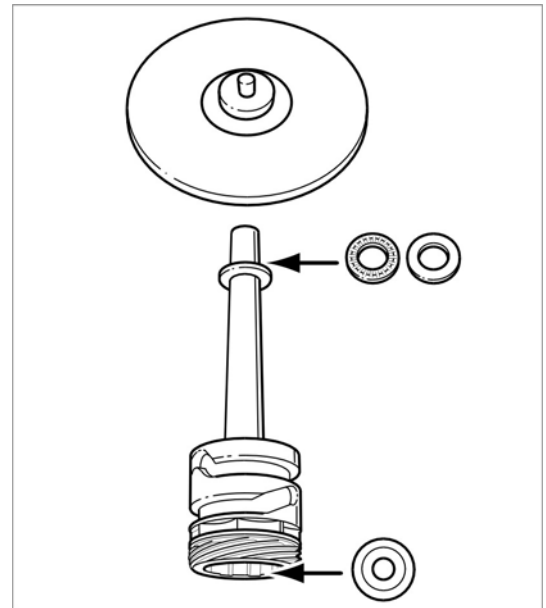
**Attention: When replacing the selector barrel, the position of the barrel track must be fitted in exactly same position.**

Place the old selector barrel, with spacer washers, on the special base plate. The barrel must sit correctly on the bearing spacer ring.

Determine the dimension of the old selector barrel between the 3<sup>rd</sup>/4<sup>th</sup> track.

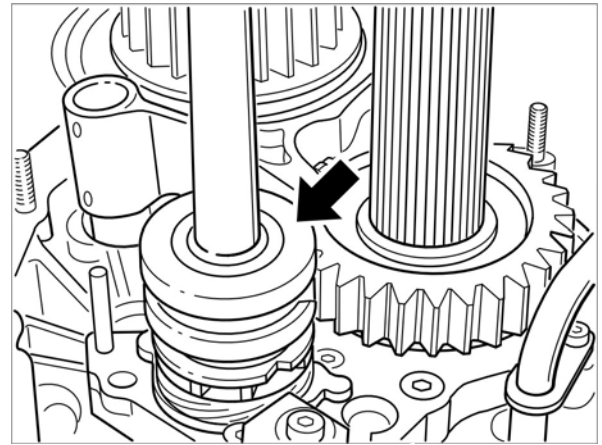
Set the new selector barrel in position and determine the dimension as above.

Calculate the spacers required, place in the new selector barrel and check the dimension.



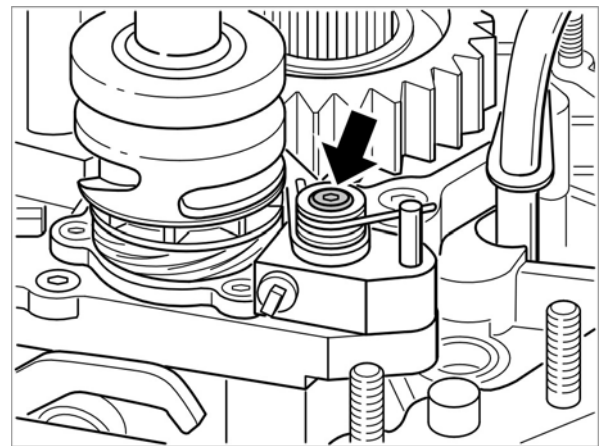


Set the new selector barrel in position and determine the dimension as above.  
Calculate the spacers required, place in the new selector barrel and check the dimension.



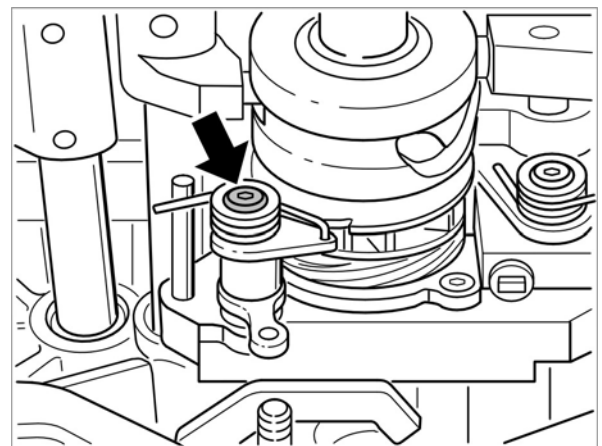
Replacing the selector barrel alignment pawl.

When replacing the selector barrel alignment pawl bolt it must be secured with Loctite 243.



Locking pawl neutral latch replacement

When replacing the locking pawl neutral latch bolt it must be secured with Loctite 243.



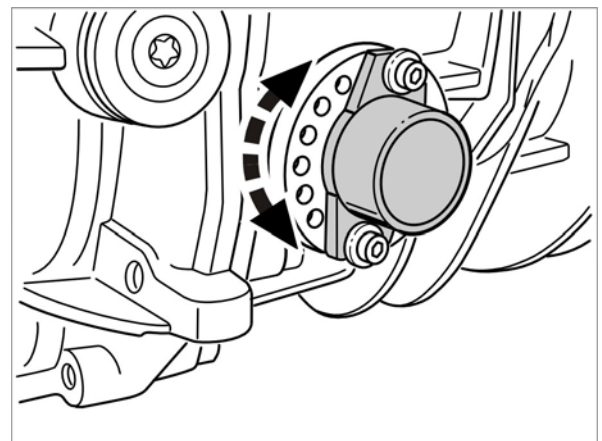
### **Adjustment of the gear recognition potentiometer**

Connect the laptop to the vehicle, switch on the ignition and start the MODAS programme. Select the "Warm up mode". Select 6<sup>th</sup> gear. Turn the wheels to make sure that 6<sup>th</sup> gear is correctly engaged.

The value in the display must read 3.85 Volt.

To adjust the value, rotate the potentiometer till the correct figure appears in the window.

**The display must show 6<sup>th</sup> gear.**



### **Gear shift mechanism:**

Gear lever with gear shift force sensor to cut engine propulsion

#### **Function:**

The sensor is only active at engine speeds greater than 2800 rpm.

Sensor is not speed dependent.

Ignition cut only occurs under power.

#### **Selecting neutral and reverse gear:**

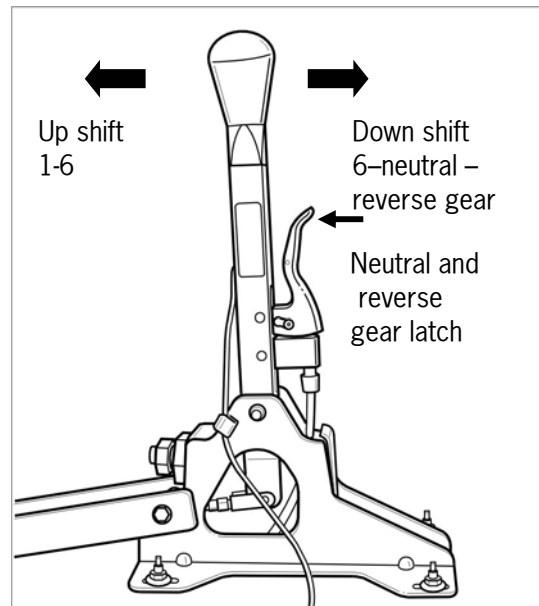
The release lever must be moved to change from 1<sup>st</sup> gear to neutral.

Sequence: 1<sup>st</sup> gear – neutral – reverse gear.

#### **Gear shift push/pull cable:**

The gear shift cable should be changed after 30 hours running.

A regular visual inspection is recommended.



#### **'Selected gear' display:**

The 'selected gear' sensor must be adjusted with the BOSCH MODAS System after repair or after changing gear ratios (see description on page 30)

## Gearbox component tightening torques

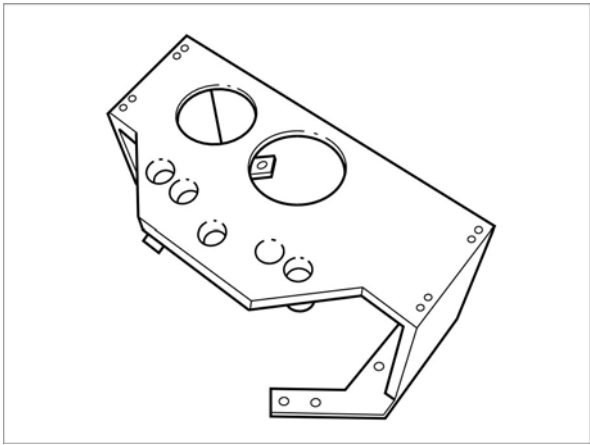
**All component tightening torques listed are given in Newton meters. Please ensure that your torque wrench is calibrated correctly!**

Oil fill plug	M22 x 1.5	40
Oil drain plug	M22 x 1.5	40
Gearbox casing nut	M8	25
Input shaft nut	M22 x 1.5	220
Input shaft nut	M30 x 1.5	220
Pinion shaft nut	M30 x 1.25	330
Selector fork screw	M8 (10.9)	35
Drive flange bolts	M10	45
Crown wheel to diff carrier	M12 x 1.25	180
Smear threads lightly with Loctite 270 before fitting, renew bolts when replacing crown wheel		
Gearbox mount on chassis	M10 x 65	65
Gearbox mount on gearbox	M8	30
Gearbox support bracket to lateral support	M10	65

**Special tools**

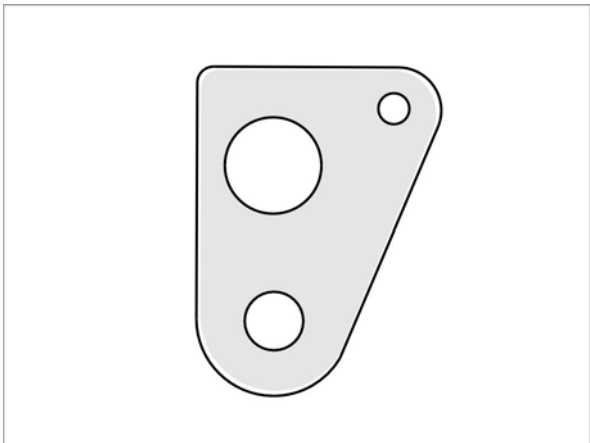
Gear ratio housing tool

Part number 996.450.310.9A



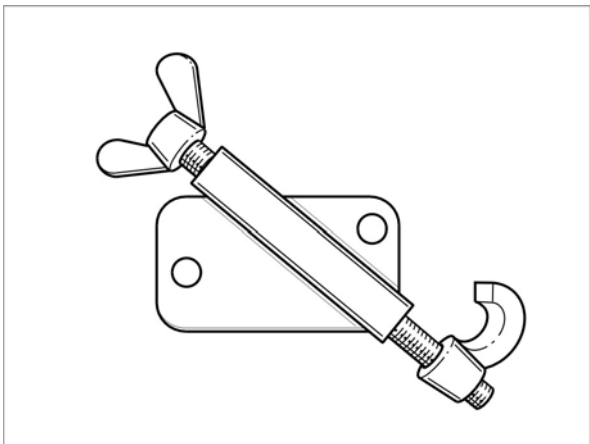
Reverse gear tool

Part number 996.450.311.9A



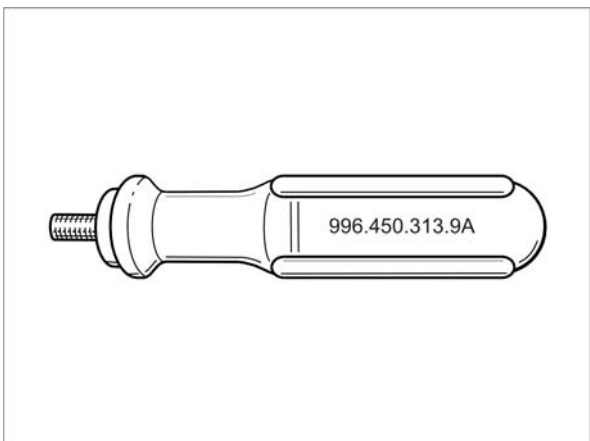
Inner shift rod tool

Part number 996.450.315.9A



Shift grip

Part number 996.450.313.9A



## **Suspension**

### **Front axle**

- Independent suspension
- Center lock wheels
- McPherson strut with double clamped upright
- Multi adjustable anti-roll bar
- Non-adjustable dampers
- Rack & pinion steering with electro-hydraulic assistance
- Main spring: 100 - 60 - 260
- Helper spring: 75 - 60 - 43

### **Rear axle**

- Independent suspension
- Multi-link axle with spherical bearings
- Center lock wheels
- Multi adjustable anti-roll bar
- Non-adjustable dampers
- Main spring: 130 - 60 - 260
- Helper spring: 60 - 60 - 50

### **Wheels**

- 3-piece BBS race wheel:
- Front 9J x 18, offset 43
- Rear 11J x 18, offset 30

### **Tires**

- Car delivered with Michelin rain tires:
- Front 24/64-18
- Rear 27/68-18

### **Brake system**

- Dual circuit hydraulic brake system
- Separate front & rear brake cylinders
- Adjustable brake balance with balance bar system
- Aluminium monobloc brake caliper
- Ventilated brake discs

## General maintenance and adjustments

### Work on the front or rear axles

#### Repair

**In the event of an accident or any other damage occurring to the suspension, every component NOT directly affected MUST be inspected. In this case, inspected means measured, crack detected and replaced where necessary (e.g. steering, wishbones, wheel carrier and suspension arms, rod-end bearings and joints, mounting bolts and wheels).**

#### Anti-roll bar adjustment:

The anti-roll bar stiffness can be infinitely adjusted by rotating the lever arm at the end of the anti-roll bar. The M6 cap head screw on the front face must be loosened to turn the lever arm. The maximum stiffness of the anti-roll bar is achieved by setting the lever arm parallel with the anti-roll bar drop link. The minimum stiffness of the anti-roll bar is achieved when the lever arm is positioned at 90° to the anti-roll bar link. The lever arms should be adjusted together and set equally on each side. When rotating the lever arm do not damage the material with unsuitable tools. Grooves or notches or any other type of damage can lead to the lever arm braking.

#### Changing the wheel bearings:

When replacing faulty wheel bearings please note the following points:

Press the wheel bearing out of the upright.

Heat the upright to 110°C before fitting the new wheel bearing.

Drop the wheel bearing in by hand.

The wheel bearing should be seated correctly on the bearing face of the upright after fitting.

Tighten the wheel bearing cover to the given torque.

**Check wheel bearing cover bolt torque after approximately 200 km.**

#### Center lock wheel nut:

Wheel nut tightening torque 460 Nm

The center bolt and wheel nut must be cleaned regularly.

After cleaning the wheel nut re-grease the threads and mating face.

When remounting or fitting a new center bolt, smear a small quantity of grease on the mounting faces and the internal threads.

Tighten the center bolt to 470 Nm torque, continue tightening till the lugs in the safety ring lock into the grooves in the hub.

Use only 'Optimoly HT – Paste' to grease the center lock components.

## Working on the rear axle

### Driveshafts:

It is recommended that new driveshafts are run in for 100 km at a maximum speed of 200 km/h and at low torque. **Driveshafts that have already been fitted and run in a particular direction must not be swapped from left to right or vice versa.**

### Running time and maintenance:

ca. 2000 km

For the revision may only be prescribed Krytox - fat ET. No.

996.332.897.9A (100 g tube)

Quantity outboard joint: 100 g

Quantity inboard joint: 110 g

## **Inspection and mounting of the servo steering**

### **Important notice:**

**The rack and pinion steering and servo pump must not be repaired and/or dismantled.**

### **Checking the hydraulic fluid level:**

The fluid level of the servo steering is measured using the dip stick fitted to the servo oil reservoir cap.

The engine must be running at idle speed when checking the fluid level

Do not turn the steering when checking the fluid level.

### **Filling and bleeding the steering system:**

The hydraulic steering oil reservoir must be filled to the 'max' mark and the engine started briefly after repair or maintenance work has been carried out in which hydraulic oil has been lost. This procedure should be repeated until the fluid level in the reservoir remains constant.

The fluid level in the hydraulic steering oil reservoir must never drop below the 'min' mark to prevent damage occurring to the servo pump.

To bleed the hydraulic system after topping up the oil, rotate the steering wheel quickly and repeatedly from one lock to the other. The bleeding process is finished when fluid level remains constant and no air bubbles surface in the reservoir when the steering wheel is turned back and forth.

When checking the hydraulic system visually for leakage, rotate and hold the steering wheel in the full lock position to ensure the greatest possible line and system pressure with the engine idling. Check all the lines, pipes and fittings for leakage. When implementing the test this level of system pressure should be held for an absolute maximum of ten seconds.



**Air jack system:**

The air jack system is maintenance free and should not be lubricated.

Operating pressure: 26 bar

Only use dry and oil free compressed air

To guarantee that the air jack pistons have returned completely the exhaust valve should be open (pulled out) when the car is in motion.

**Never work under the car with the air jacks extended without proper axle stands.** To prevent damage occurring to the internal cylinder end stops never pressurize the system without the car being on the ground (never without the air jack having to lift the vehicle). The air jacks can be overhauled by Porsche Motorsport when required.

**Important:**

**Working pressure: max 35 - 38 bar**

**Never use mineral oil based detergents**

**Never unscrew the end caps of airjack: even when not operated the airjack is under pressure!**

**We recommend refurbishment of the airjack after 2 years or 2000 working cycles.**

**Carlift systems:**

**Never use a third equipment of carlifter system as it will damage the bottom feet or the piston cylinder**

Porsche Motorsport requests a review of the tightening torque and the position of the rear air jack in the host pipe.

The check of the tightening torque of the nut (force fit of the air jack) must be included in the regular vehicle check, such as suspension check. In case an air jack is not fastened, it must be replaced immediately.

**Please find further safety regulations in the product description of KRONTEC.**

Tightening torque locknut	45 ± 5 Nm
Position in the host pipe	see picture below



## Suspension alignment

### Miscellaneous:

Measuring and aligning the front and rear 911 GT3 Cup suspension is similar to the alignment procedure for a standard road-going Porsche. The suspension alignment can be made with any suitable optical or electronic system or the optional Porsche Motorsport alignment system (part nr. 997.450.351.90 / 997.450.561/562.90).

The following steps must be carried out to achieve the suspension alignment values given by Porsche:

- All suspension arms and bearings must be without play
- Fuel tank half-full (40 liters)
- 75 kg ballast placed on driver seat
- Inflate all four tires to a pressure of 2 bars

The following procedure is recommended when checking the complete wheel alignment:

- Disconnect the anti-roll bars
- Adjust the ride height
- Adjust the rear axle camber first and then the toe
- Adjust the front axle camber first and then the toe
- Re-adjust ride height and set corner weights
- It is not possible to adjust the castor
- The corner weights are adjusted by changing the ride height, the smallest possible corner weight difference between the left and right hand side of each axle is recommended.

### Front axle:

All the front suspension alignment values should be adjusted with the steering wheel locked in the straight ahead position.

The basic camber adjustment is made by the addition or removal of the adjustment shims between the lower wishbone and the wishbone bearing.

The fine adjustment is made on the McPherson strut thrust bearing.

The McPherson strut thrust bearing must be centered before setting the basic camber value.

### Rear axle:

The camber is adjusted by the addition or removal of the adjustment shims between the lower wishbone and the wishbone bearing.

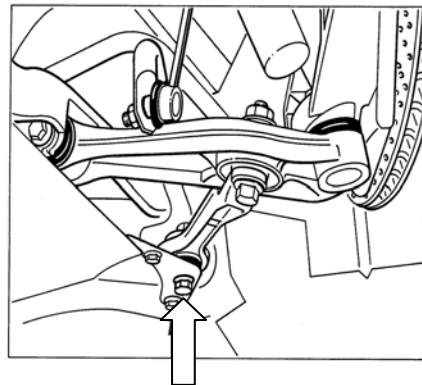
The fine adjustment is made by adjusting the eccentric camber bolt in the lower wishbone.

**Suspension measurements and settings:**

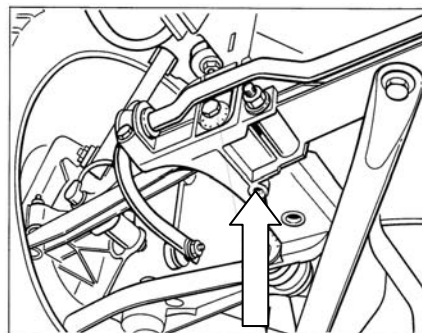
Basic settings for Michelin tires (as delivered)		
	Front axle	Rear axle
	Left/right	Left/right
Ride height	73 mm	120 mm
Camber	- 4°	- 4°
Toe setting (total)	0'	+ 34'
Anti-roll bar	75°	45°
Main spring	100 - 60 - 260	130 - 60 - 260
Helper spring	75 - 60 - 43	60 - 60 - 50
Rear wing setting		P 10

**Ride height measurement points:**

Front axle



Rear axle



## Suspension component tightening torques

All component tightening torques listed are given in Newton meters. Please ensure that your torque wrench is calibrated correctly!

### Front suspension:

Shear plate on subframe, front	M10 x 30	65	46
Shear plate on subframe, rear	M10 x 30	65	46
Shear plate on chassis	M12 x 1.5 x 25		100
Sub frame to chassis, rear	M14 x 1.5 x 50		160
Diagonal brace on chassis	M12 x 1.5 x 25		100
Diagonal brace on subframe	M12 x 1.5 x 25		100
Wishbone to subframe	M12 x 1.5 x 95		120
Wishbone on upright	M12 x 1.5		75
Side member to chassis	M14 x 1.5 x 110		160
Side member to wishbone	M14 x 1.5 x 75		160
Drop link on anti-roll bar	M10		46
Thrust bearing on chassis	M8		33
Piston rod on thrust bearing			80
Spring platform lock nut			50

### Front upright:

Wheel bearing cover x 4	M8 x 35		37
Brake shroud x 3	M6 x 16		9.7
Multi function coupling x 2	M6 x 30		9.7
Wheel speed sensor	M6 x 16		9.7
Brake caliper to upright	M12 x 1.5 x 77		73
Damper tube clamp x 2	M12 x 1.5 x 70		85
Center bolt	M22 x 1.5		470
Wheel nut			460
Track rod on upright	M12 x 1.5		75
Anti-roll bar drop link on upright	M 10		46

**Rear suspension:**

Stud on chassis, front	M12 x 1.5	46
Stud on chassis, center	M12 x 1.5	46
Stud on chassis, rear	M12 x 1.5	46
Side part on chassis, front	M12 x 1.5	110
Side part on chassis, center	M12 x 1.5	110
Side part on chassis, rear	M12 x 1.5	110
Side member on wishbone, lower	M14 x 1.5 x 75	160
Side member on side part	M14 x 1.5 x 100	180
Wishbone to side part	M12 x 1.5 x 100	100
Wishbone to upright	M12 x 1.5	75
Control arm 2 on side part	M12 x 1.5 x 83	100
Control arm 2 on upright	M12 x 1.5	75
Control arm 3 on side part	M12 x 1.5 x 100	110
Control arm 3 on upright	M12 x 1.5 x 80	110
Control arm 4 on side part	M12 x 1.5 x 100	110
Control arm 4 on upright	M12 x 1.5 x 80	110
Sub frame on side part	M 10 x 40	65
Sub frame on side part, upper	M12 x 1.5 x 80	110
Sub frame on side part, lower	M12 x 1.5 x 80	110
Diagonal brace on subframe	M10 x 40	65
Diagonal brace on side part	M10	23
Piston rod on thrust bearing		60
Thrust bearing on chassis	M10	46
Damper strut to upright	M12 x 1.5 x 70	110

**Rear upright:**

Wheel bearing cover x 4	M8 x 35	37
Multi function coupling x 2	M6 x 30	9.7
Brake caliper to upright	M12 x 1.5 x 77	73
Multi line bracket on upright	M6	9.7
Brake shroud	M6 x 16	9.7
Wheel nut		460

**Steering:**

Steering rack on subframe	M10 x 45	65
Track rod on steering rack	M16 x 1.5	80
Universal joint on steering rack	M8 x 35	23
Steering column to frame, upper	M10 x 100	46
Steering column to frame, lower	M14 x 1	20
Steering wheel to column	M16 x 1.5	45
Steering column lateral support	M8 x 40	23
Carrier frame lateral support	M8	23
Oil line on steering rack	M10 x 20	20

**Pedal assembly:**

Brake balance adjuster on chassis	M8	23
-----------------------------------	----	----

**Brake balance adjuster on chassis:**

Aluminium spacer	M8 x 154 x 80	23
Pedal spindle in pedal mount	M14 x 1	8
Pedal spindle on PLB	M8	10
Brake pedal to push rod, no grease	M8 x 1	23

**Brake system:**

Brake disc to hub	M6 x 16	12
Brake disc to disc bell	M 6	9.7
Brake pipe bracket on subframe	M6 x 16	9.7

**Driveshafts:**

Driveshaft to flange	M10 x 50	81
Center bolt on driveshaft	M22 x 1.5	470

## **Brake system 911 GT3 Cup**

The Porsche 911 GT3 Cup car has a twin-circuit hydraulic brakes system with two separate main cylinders.

The front to rear brake balance can be changed by adjusting the brake balance adjuster bar.

**Vehicles which are intruded to be used at the Porsche Mobil 1 Supercup will be equipped with ceramic brake discs (PCCB).**

### **Front brakes:**

Brake discs: Ventilated, Steel, D=380mm B=32mm

Brake pad: Pagid P50 (light green)

Pad thickness: 13mm without backing plate  
18mm with backing plate

Brake caliper: 6-piston aluminium monobloc

Caliper pistons with Zirkonoxide inserts

### **Rear brakes:**

Brake discs: Ventilated, Steel, D=350 mm B= 28 mm

Brake pad: Pagid P50 (light green)

Pad thickness: 13mm without backing plate  
18mm with backing plate

Brake caliper: 4-piston aluminium monobloc

Caliper pistons with Zirkonoxide inserts

### **Brake system notes**

#### **Brake callipers:**

The dust covers can be removed form the brake calipers when driving. It is possible to overhaul the brake calipers, the necessary spare parts can be purchased from Porsche Motorsport sales department.

#### **Brake fluid:**

Only Endless RF - 650 Racing Super Fluid brake fluid should be used.

### Brake master cylinders and balance bar:

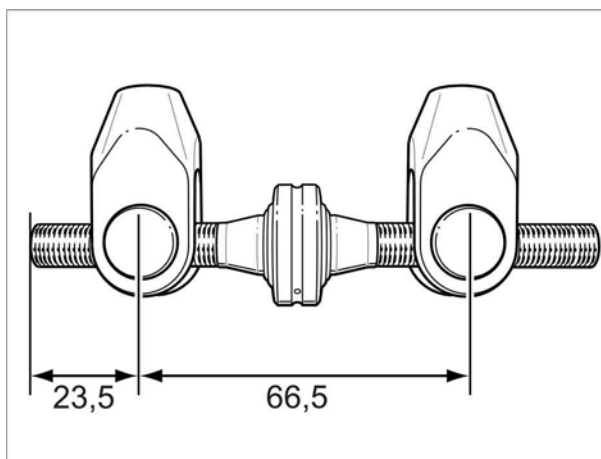
The two brake master cylinders supplying each brake circuit have different bore diameters:

- Front axle 20.6 mm (orange marking)
- Rear axle 19.05 mm (green marking)

The front to rear brake balance can be adjusted by turning the adjuster shaft.

When the car is delivered, the brake balance is set to 40 bar on the front and 38 bar on the rear axle. Rotating the adjuster wheel clockwise increases the brake pressure on the rear. Rotating the adjuster anti-clockwise increases the brake balance on the front axle.

### Basicsetup adjusting spindle:





## Brake balance display and brake force distribution

The brake force distribution is shown in the MoTeC – Display.

Display Setup “Practice”

The adjustment range is from - 7 to + 7

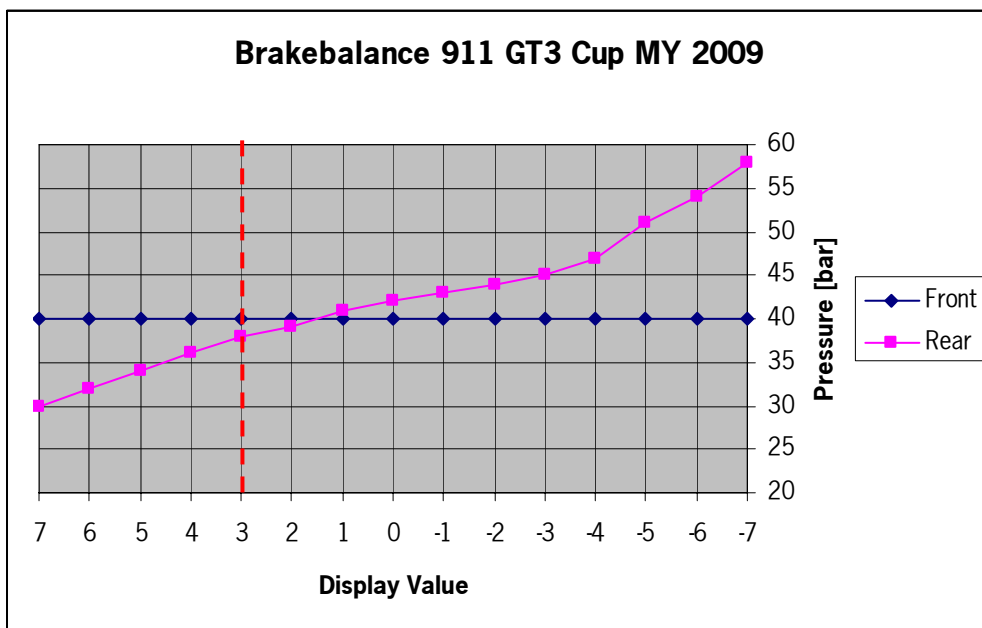
### Attention:

- The potentiometer is set initially to zero.
- Only remove the transport safety lock and operate the potentiometer when the complete assembly is fitted to car and the shaft has been mounted to the balance bar. The balance bar **MUST** be set in the middle position before fitting the potentiometer.
- The display values must not exceed +7 or -7 when rotating the balance bar (the potentiometer will be severely damaged if rotated beyond these values).
- Potentiometers removed from the car should be set to zero with the MoTeC System before being refitted.

Direction of rotation “-“ balance to rear (- 7 = max rear pressure)

Direction of rotation “+” balance to front (+7 = max front pressure)

Basis setup **+3** = front axle 40 bar rear axle 38 bar



## **Chassis**

### **Construction**

- Weight optimized road going 2009 911 GT3 RS shell
- Interior without insulation
- Integral roll-cage in accordance with DMSB guidelines
- CFC boot lid with integrated RAM – Box and engine air filter
- Adjustable CFC rear wing
- GT3 Cup front end with upper cooling air exit duct and front spoiler
- GT3 Cup rear end from CFC
- CFC doors and CFC window frame
- Polycarbonate side door windows, rear and front screens

### **Fuel tank**

- Production 89 liter tank

### **Seat**

- OMP racing bucket seat (driver's side only) optimised for HANS Safety system

### **Safety harness**

- Schroth six-point harness without ASM – adapted for HANS
- Optimised shoulder belt width 2 inch

### **HANS system**

- All cars from the 2004 model onwards are optimised for the HANS safety system

HANS Safety System supplier:  
Schroth Safety Products GMBH  
Postfach 2440  
59714 Arnsberg  
Germany

### **Fire extinguisher system**

- Fire extinguisher in accordance with FIA standard 4 liter AFFF

### **Exterior color**

- Carrara white B9A

### **Interior color**

- Primer (without top coat)

**Dashboard:**

Dashboard with MoTeC Display.

The MoTeC Display can be programmed freely and has a 1 Mb memory for data recording.

(Optional 4 Mb memory)

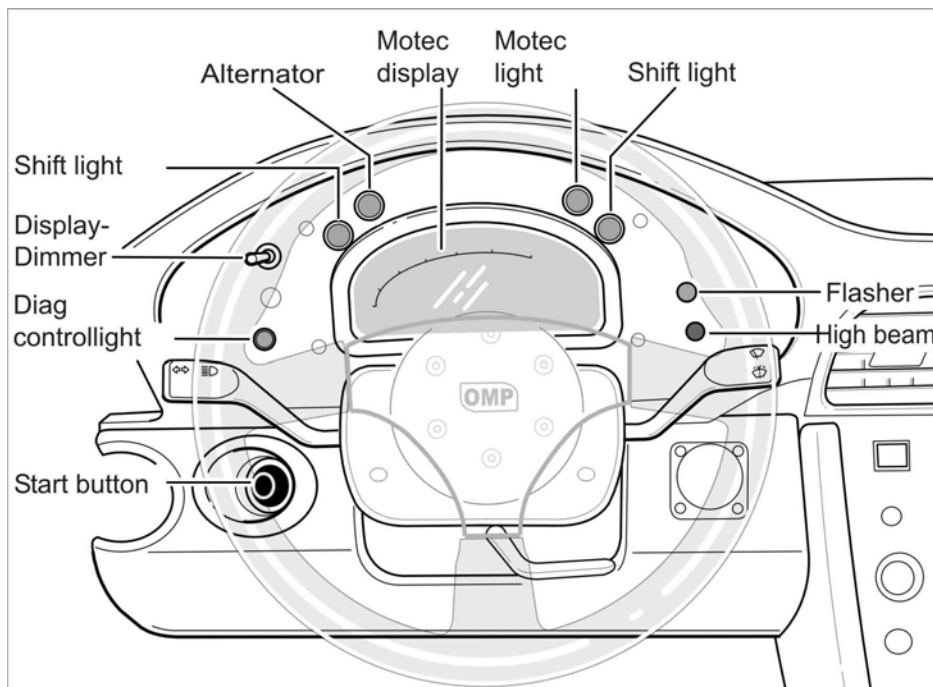
**Driver cooling / windscreen ventilation:**

The fan has three possible settings:

“Pushed in” position: 100% foot well, ventilation ducts and driver cooling

“Pulled out” position: 100% windscreen ventilation

The air distribution is variable in the position between “pushed in” and “pulled out”.



## MoTeC – Display

### Analogue freely programmable

#### CAN blocked

#### Race:

- Engine speed
- Vehicle speed
- Lap time
- Water temperature
- Oil temperature
- Oil pressure
- Fuel pressure
- Gearbox oil temperature
- Fuel consumption per lap
- Total fuel consumption
- Gear indicator
- Reverse gear indicator

#### Practice:

- Engine speed (bar graph)
- Engine speed (digital)
- Vehicle speed
- Brake balance
- Lap time
- Water temperature
- Oil temperature
- Oil pressure
- Fuel pressure
- Gear indicator
- Reverse gear indicator
- Battery voltage
- Time remaining for data recording

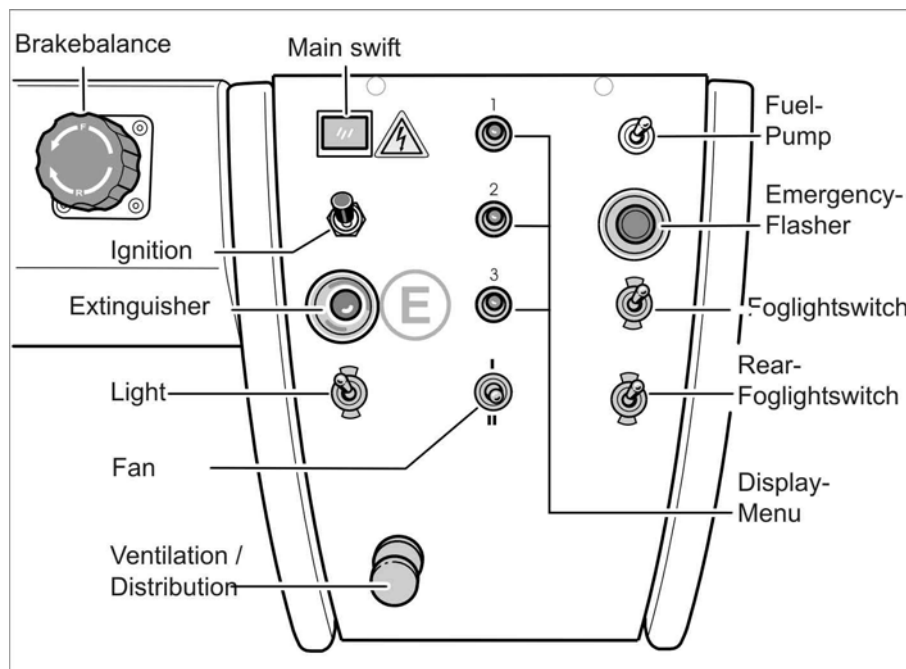
#### Warm-up:

- Engine revs
- Water temperature
- Battery voltage
- Oil temperature
- Gear indicator
- Reverse gear indicator
- Fuel pressure
- Throttle angle
- Gear potentiometer – voltage indicator
- Gear shift sensor voltage indicator

**Standard sensors fitted in car:**

- 4 x wheel speed sensors
- Clutch system pressure sensor
- Acceleration sensor
- Fuel level
- Lap Trigger
- Fuel pressure sensor
- Oil pressure sensor
- Engine speed sensor
- Water pressure sensor

**Center console:**



**“Diag Control Light”:**

The “Diag Control Light” is controlled by electronic errors (sensors) which occur at a particular frequency, or are permanently active. The lamp indicates MS3.1 system errors.

A special software is required to delete the errors (Bosch Modas), which must be purchased from Porsche Motorsport.

**Fuel pump switch:**

Position “Service”

The pump runs with the ignition (only to drain any remaining fuel in the tank).

Position “Bosch”

Pump only runs when the engine is running.

**Data logging:**

MoTeC Display with 1 Mb data logging memory.

Option:

- Steering angle sensor in connection with 2 Mb memory
- Brake pressure sensors
- upgrade memory 4 Mb

**Interface:**

CAN: When using the CAN interface in connection with a data acquisition system (not MoTeC) the terminating resistor must be re-located.

**The Cup MoTeC System is distributed exclusively worldwide by Brückle – Motorsport.**

If you require information or a system please contact Brückle – Motorsport directly.

**Information directly from:**

Brückle - Motorsport

Consulting GMBH

Werner Brückle

Zennerstr. 29

D 81379 München

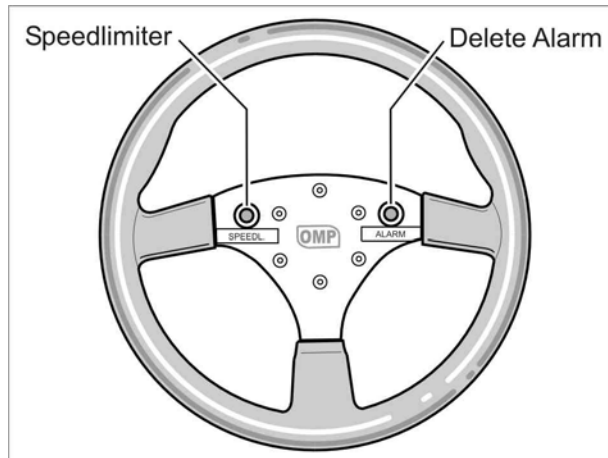
Tel. +49 89 72308198

Fax +49 89 72308199

E – Mail : [werner.brueckle@t-online.de](mailto:werner.brueckle@t-online.de)

**Steering wheel:**

Steering wheel with buttons to activate pit lane speed limiter and to reset the alarm display in the MoTeC display

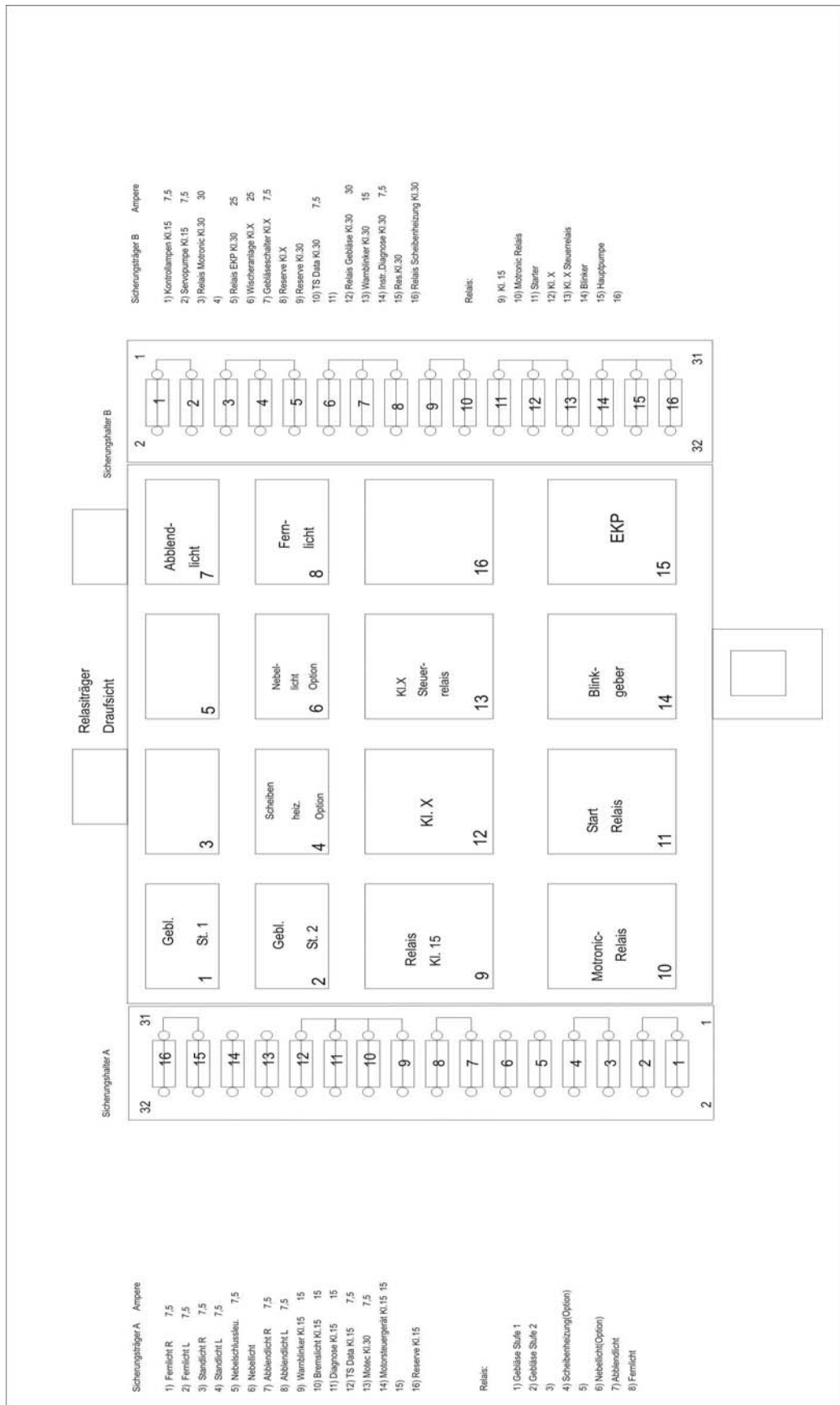


Pit lane speed limiter is programmed to 55 km/h, but can be re-programmed with the Bosch Modas system. For a proper use of the pit lane speed limiter Porsche Motorsport recommends to use 1<sup>st</sup> gear and full throttle while pit lane speed limiter is active.

**Battery main relay:**

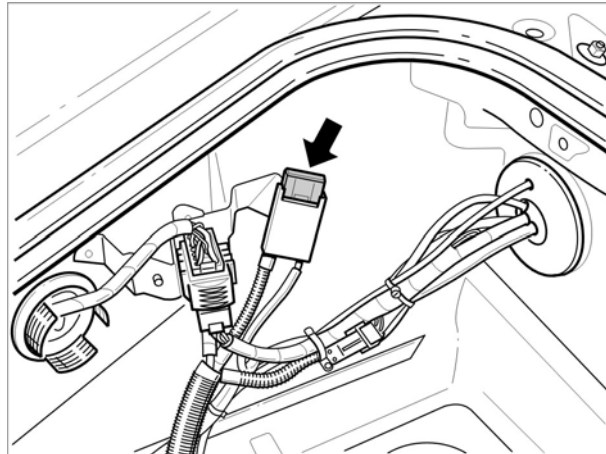
Only operate the master switch approximately 10 seconds after having switched off the engine with the ignition switch.

# Relay and fuse layout





**Location of main fuse for steering hydraulic**



Trunk, front right (80 A)

### Fire extinguisher system:

The car is equipped with an FIA homologated fire extinguishing system. AFFF extinguishing agent is used. The cylinder has two separate chambers each with a capacity of two liters. The extinguishing agent is discharged through three nozzles located in the engine bay and a further three located within the cockpit.

The fire extinguisher is activated by a push button mounted on the dashboard or by the emergency switch located on the left hand side of the windscreen cowl.

The system's operating range is between -15° C and +60°C. The extinguisher cylinder must be protected from frost and should never be stored where the ambient temperature can drop below -15°C.

The operating pressure of system is 14 bars, and should be checked regularly using the manometer mounted to the extinguisher bottle.

**Attention: The extinguishing agent, extinguisher cylinder and flexible pipes should be replaced after a maximum of 2 years from the date of manufacture by original new spare parts.**

### Fire extinguisher activation:

The extinguisher system is live when the toggle switch on the trigger box is set in the "**System Active**" position. The extinguisher is discharged by pressing the dash mounted push button and/or by pushing the button located on the windscreen cowl.

### Extinguisher system error analysis

#### Battery check:

Hold the toggle switch on the trigger box in the "Battery Check" position. If the battery charge state is good the trigger box warning lamp will blink.

#### Warning lamp does not glow:

The following points should be checked if the warning lamp does not glow:

Check battery charge state (refer to 'Battery Installation')

Check the cable connection to the buttons (refer to 'Trigger box wiring harness')

Check fire button function

### **Battery installation:**

**Attention: The toggle switch on the trigger box must be set in the 'System Inactive' position.**

Remove the trigger box cover and change the battery. Ensure that the battery poles are connected correctly. Only Alkaline batteries should be used.

### **Checking the firing button:**

**Attention: The toggle switch on the trigger box must be set in the 'System Inactive' position.**

Press the button in the windscreen cowl. If the switch is correctly functioning the trigger box warning lamp will glow.

Press the push button mounted on the dashboard. If the switch is correctly functioning the trigger box warning lamp will glow.

## Attachment A: Vehicle Sensors Nominal Values

### Vehicle Sensors Nominal Values

#### Vehicle 997 GT3 Cup Model 2009

Measured Variable	Modas name	Nominal Value	Comment
Engine idle speed	nnmot_w	2000 +/-100 U/min	under operating temperature
Throttle angle (full throttle)	wdkba_w	80 +/- 2 deg	Bosch value => is equal to 100% in MoTeC
Lambda cyl. 1-3/4-6	lamsoni(2)_w	0.9 +/- 0.1	Throttle angle > 10 deg
Lambda correction factor	fr(2)_w	1.0 +/- 0.2	
Battery voltage	ub	13 +/- 1 V	
water pressure	pwater	> 0.2 bar	
fuel pressure	pfuel	3.8 bar +/- 0.25 bar	
clutch pressure	pclutch_w	> 30 bar	clutch completely actuated
voltage gear lever sensor	ugs_w	2.45 +/- 0.1 V	
gearbox poti	ugang_w		
	6.	3.85 +/- 0.04 V	Needs to be set
	5.	3.45 V	automatically if 6th gear voltage is set
	4.	3.04 V	automatically if 6th gear voltage is set
	3.	2.63 V	automatically if 6th gear voltage is set
	2.	2.21 V	automatically if 6th gear voltage is set
	1.	1.82 V	automatically if 6th gear voltage is set

## Imprint

Publisher  
Dr.Ing.h.c.F. Porsche AG  
Vertrieb Sonder- und Rennfahrzeuge  
Porschestraße  
71287 Weissach  
Postfach 1140  
71283 Weissach

Version 1/2009

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We reserve the right for technical changes.

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**Hauptgruppenübersicht / Main categories****Motor / Engine****Tank und Abgasanlage / Fuel and exhaust system****Getriebe / Transmission****Vorderachse / Front axle****Hinterachse / Rear axle****Räder und Bremsen / Wheels and brakes****Pedalerie und Schaltung / Pedal system and shift linkage****Karosserie / Body****Elektrik / Electrical equipment****Zubehör und Werkzeuge / Accessories and tools**

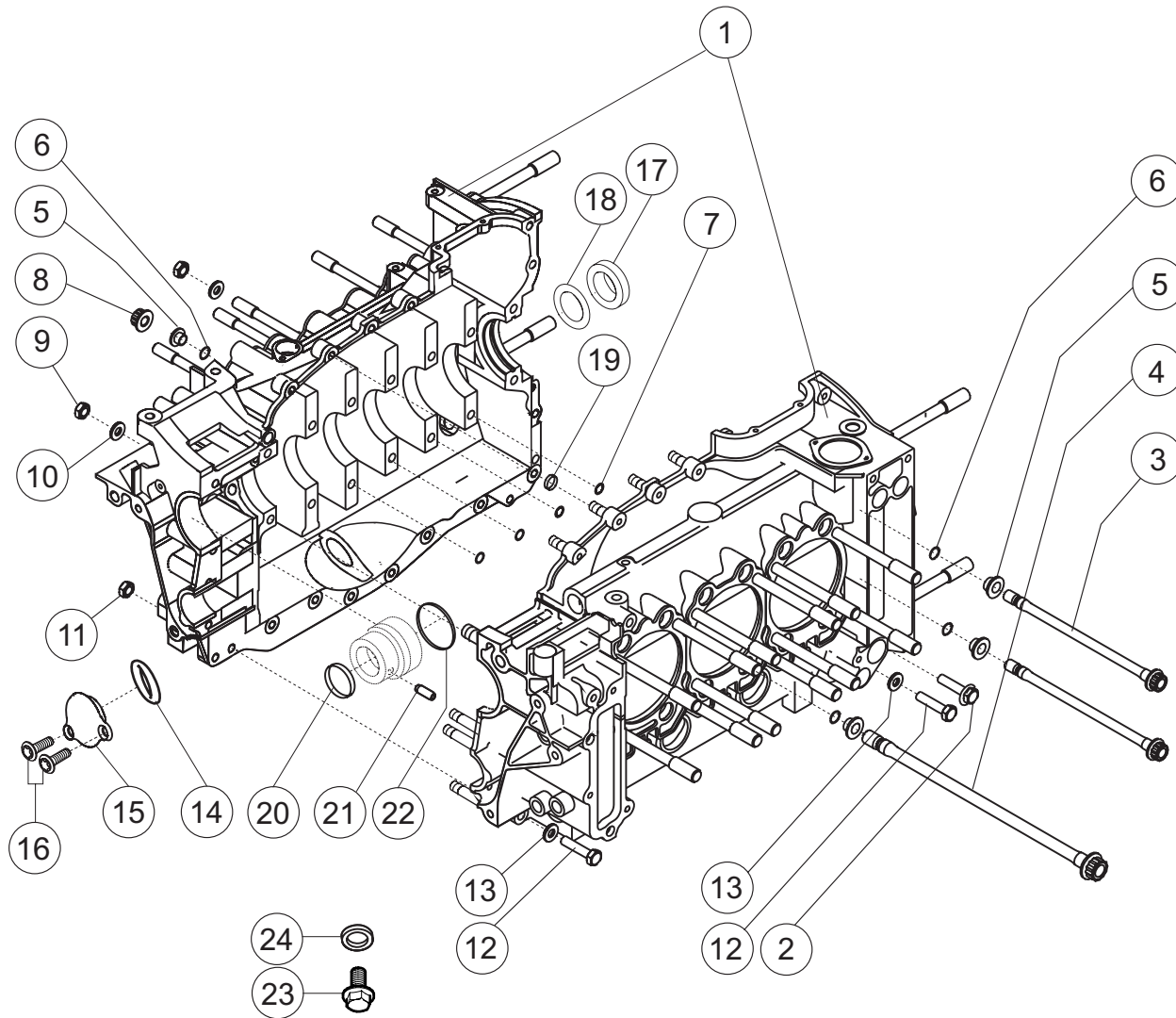
**Motor / Engine**

- Ersatzmotor / *engine*
- Kurbelgehäuse / *crank case*
- Kurbelgehäuse links / *crank case left*
- Kurbelgehäuse rechts / *crank case right*
- Kurbelwelle / *crank shaft*
- Zylinder mit Kolben / *cylinder and piston*
- Zylinderkopf / *cylinder head*
- Nockenwellengehäuse / *camshaft housing*
- Steuerketten und Kettenkästen / *timing chain and timing-chain case*
- Ventiltrieb / *valve timing*
- Zwischenwelle / *auxiliary shaft*
- Wärmetauscher + Konsole + Ölfilter / *heat exchanger + console + filter*
- Ölpumpen Nockenwellengehäuse / *oil pumps camshaft-housing*
- Öltank / *oil tank*
- Ölpumpe / *oil pump*
- Wasserpumpe / *water pump*
- Wasseraus/ -eintrittsstutzen / *waterinlet/ -outlet neck*
- Wasserkreislauf vorne / *front water-circuit*
- Wasserkreislauf Mitte / *mid water-circuit*
- Wasserkreislauf hinten / *rear water-circuit*
- Wasserkühler Mitte / *mid-radiator*
- Wasserkühler seitlich / *side-mounted radiators*
- Wasserausgleichsbehälter / *water expansion tank*
- Kraftstoffgalerie + Ansaugstutzen / *fuel distribution system + intake necks*
- Ansauganlage / *induction system*
- Reinluftschale / *clean-air cup*
- Entlüftungsleitungen Motor / *engine ventilation-lines*
- Unterdruckleitungen / *vacuum-lines*
- Nebenaggregateträger + Keilrippenriemen / *accessory bracket + V-belt*
- Motorträger / *engine bracket*



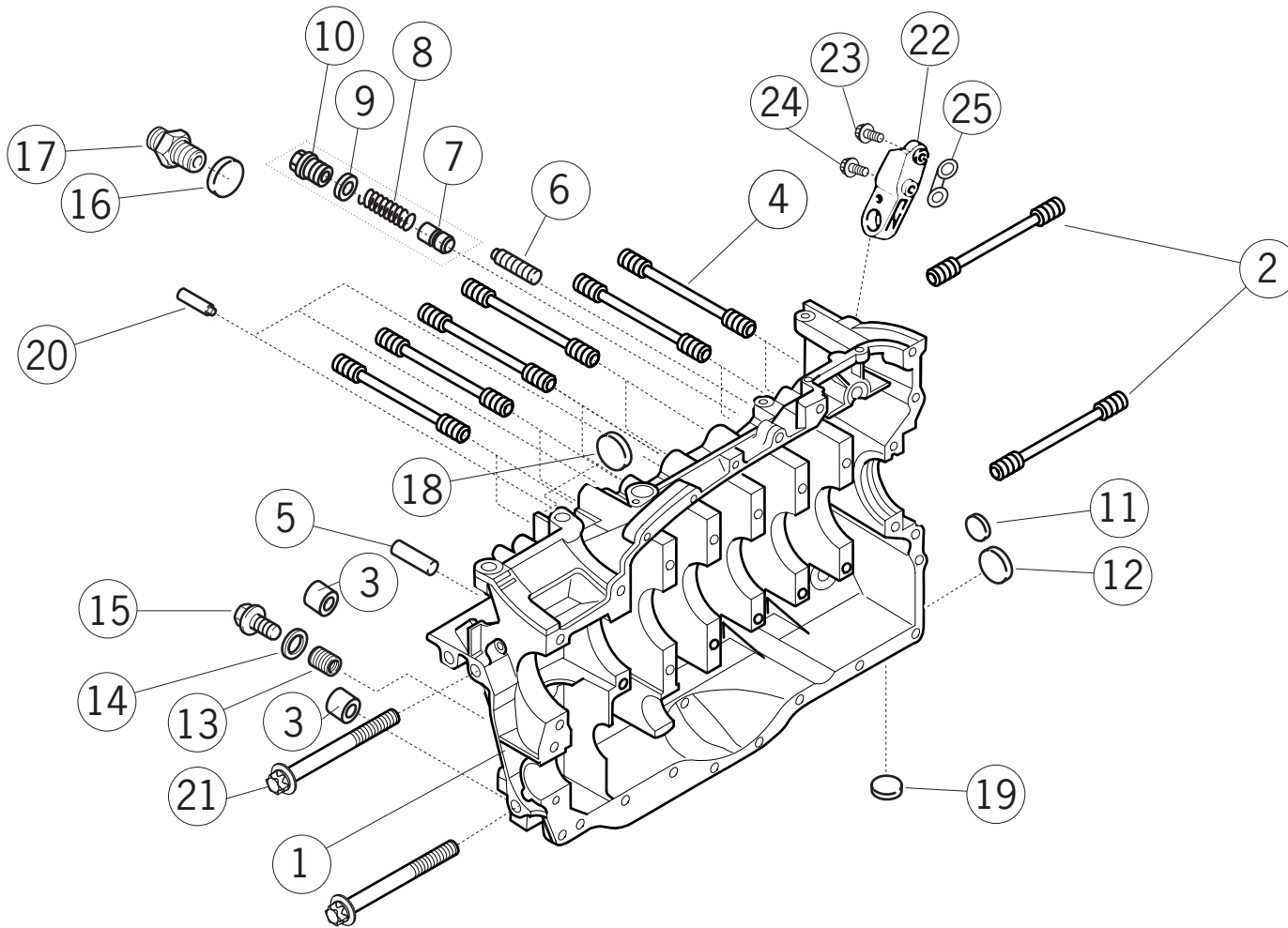


## Kurbelgehäuse / crank case



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kurbelgehäuse komp. m. Stehbol. <i>crankcase assembly with studs</i>	R 1	996.101.022.98
2	6KT-SHR M8X45 <i>hex screw M8X45</i>	R 1	999.217.111.01
3	Schraube zu Kurbelgehäuse <i>polyg.socket screw</i>	2	964.101.174.70
4	Schraube zu Kurbelgehäuse <i>polyg.socket screw</i>	11	959.101.173.70
5	Scheibe <i>spacer disk</i>	24	964.101.313.71
6	O-Ring 8X2 <i>rubber o-ring</i>	24	999.701.006.41
7	O-Ring 8,3X2,4 <i>rubber o-ring</i>	4	999.701.596.40
8	Vielzahn-Mutter <i>multi-point nut</i>	12	959.101.172.70
9	6KT-MU M10 <i>hex.nut M10</i>	1	900.910.130.01
10	Scheibe A 10,5 <i>plain washer</i>	R 1	900.025.008.03
11	6KT-MU M8 <i>hex.nut M8</i>	22	999.084.202.01
12	6KT-SHR A M8X50 <i>hex.screw M8x50</i>	1	900.074.040.03
13	Scheibe 8,4 <i>plain washer 8,4</i>	4	900.031.001.02
14	O-Ring f. Abschlußdeck. 33,3X2,4 <i>rubber o-ring</i>	1	999.707.315.41
15	Abschlußdeckel <i>aluminium end-cover</i>	1	930.105.165.00
16	FL-KPF-SHR M6X10 <i>oval head screw M6X10</i>	2	999.073.236.0A
17	WL-DI-RG für Kurbelwelle <i>radial sealing ring for crankshaft</i>	1	997.102.264.91
18	Distanzring <i>spacer ring</i>	1	997.101.264.90
19	Rechteck-DI-RG 16,3X22X9,5 <i>sealing ring 16,3X22X9,5</i>	1	999.704.172.50
20	WL-DI-RG A30X50X10 <i>radial sealing ring A30X50X10</i>	R 1	997.102.265.90
21	ZYL-STIFT 5H8X10 <i>cylindrical pin</i>	1	900.012.061.00
22	O-Ring 51X4,5 N <i>rubber o-ring</i>	1	999.707.285.41
23	Ablaßschraube 20X1,75 <i>drain plug 20X1,75</i>	1	944.107.197.01
24	Dichtring 22X27 <i>sealing ring 22X27</i>	1	900.123.118.30

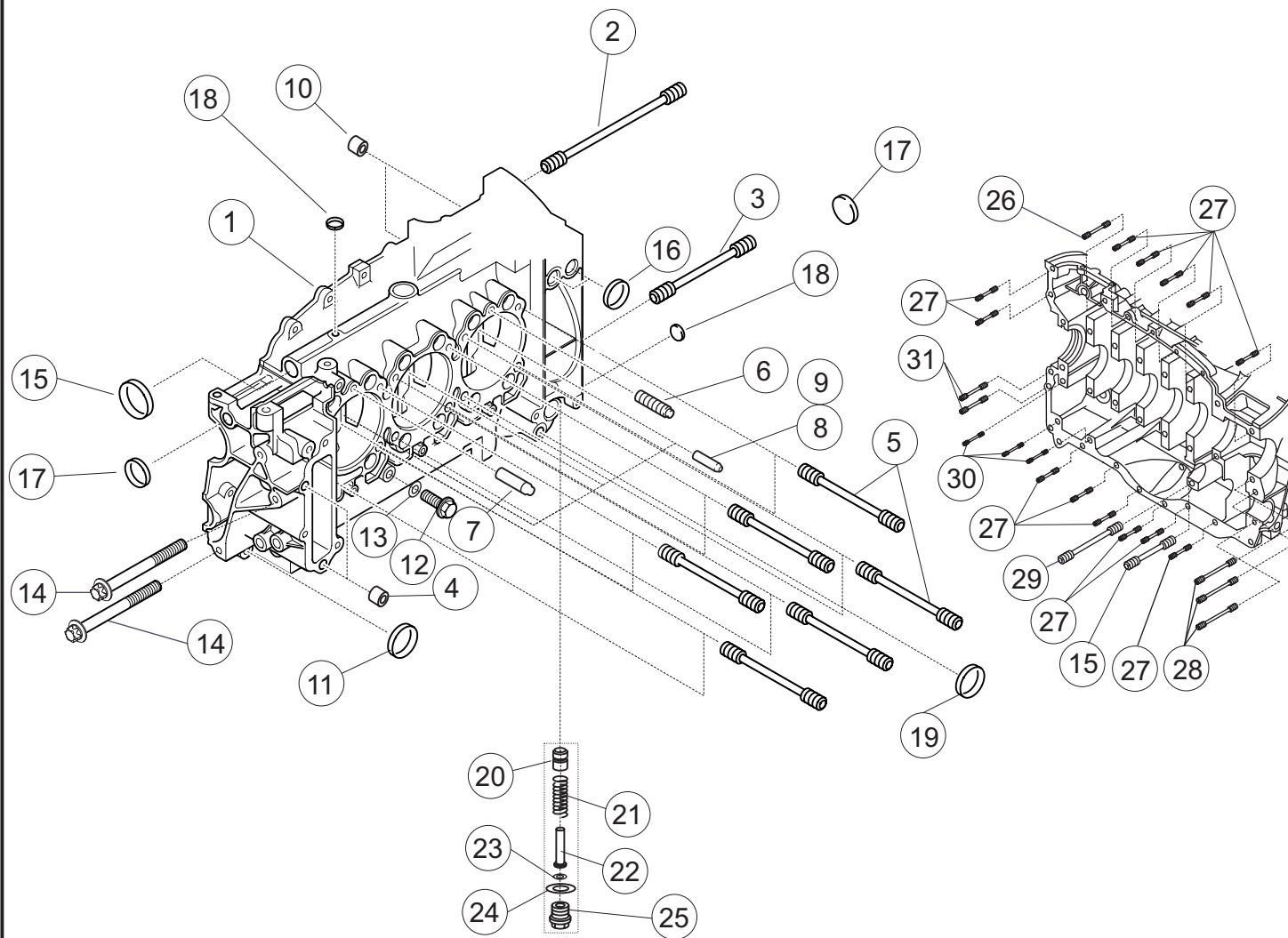
Kurbelgehäuse links / crank case left



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kurbelgehäuse komplett li+re crankcase assembly left+right	R 1	996.101.022.98
2	STIFT-SHR B M10X105 8.8 stud M10X105 8.8	R 2	900.060.096.01
3	Paßhülse für Kettengehäuse fitted sleeve for chain case	2	901.101.145.00
4	STIFT-SHR Zylinderkopf special stud	12	996.101.172.70
5	ZYL-STIFT A 8,0X 14 cylindrical pin 8,0X14	1	900.012.046.00
6	ZYL-STIFT A 6,0X14 cylindrical pin 6,0X14	1	900.012.057.00
7	Kolben f.Überdruckventil piston for relief valve	1	911.107.512.00
8	Druckfeder pressure spring	1	901.107.531.01
9	Dichtring A 18X24 sealing ring 18X24	1	900.123.106.30
10	VSHL-SHR A M18X1,5 screw plug	R 1	999.064.026.01
11	VSHL-STP 7,5X8 plug 7,5X8	1	911.101.186.02
12	VSHL-DECK A13 closure cap	R 1	900.036.047.01
13	GWD-ESAT A M20X1,5 helicoil	1	999.504.127.00
14	Dichtring A22X27 sealing ring 22X27	1	900.123.118.30
15	Verschluß-SHR screw plug	R 1	944.107.197.02
16	Dichtring A22X27 sealing ring A22X27	1	900.123.011.30
17	Stutzen 18 screw neck 18	1	999.136.044.01
18	VSHL-STP 9,2 plug 9,2	1	999.501.065.30
19	VSHL-DECK A19 closure cap	1	900.036.045.02
20	Z Spritzventil D=1,2mm oil splash valve D=1,2mm	R 3	997.101.018.90
	Z Spritzventil oil splash valve	R 3	997.101.018.91
21	6RD-SHR M10X70 screw M10X70	2	900.385.119.01
22	Sensorhalter I-Geber bracket for sensor induct.pick-up	1	964.101.187.01
23	6RD-SHR M6X25 torx screw M6X25	1	900.385.072.01

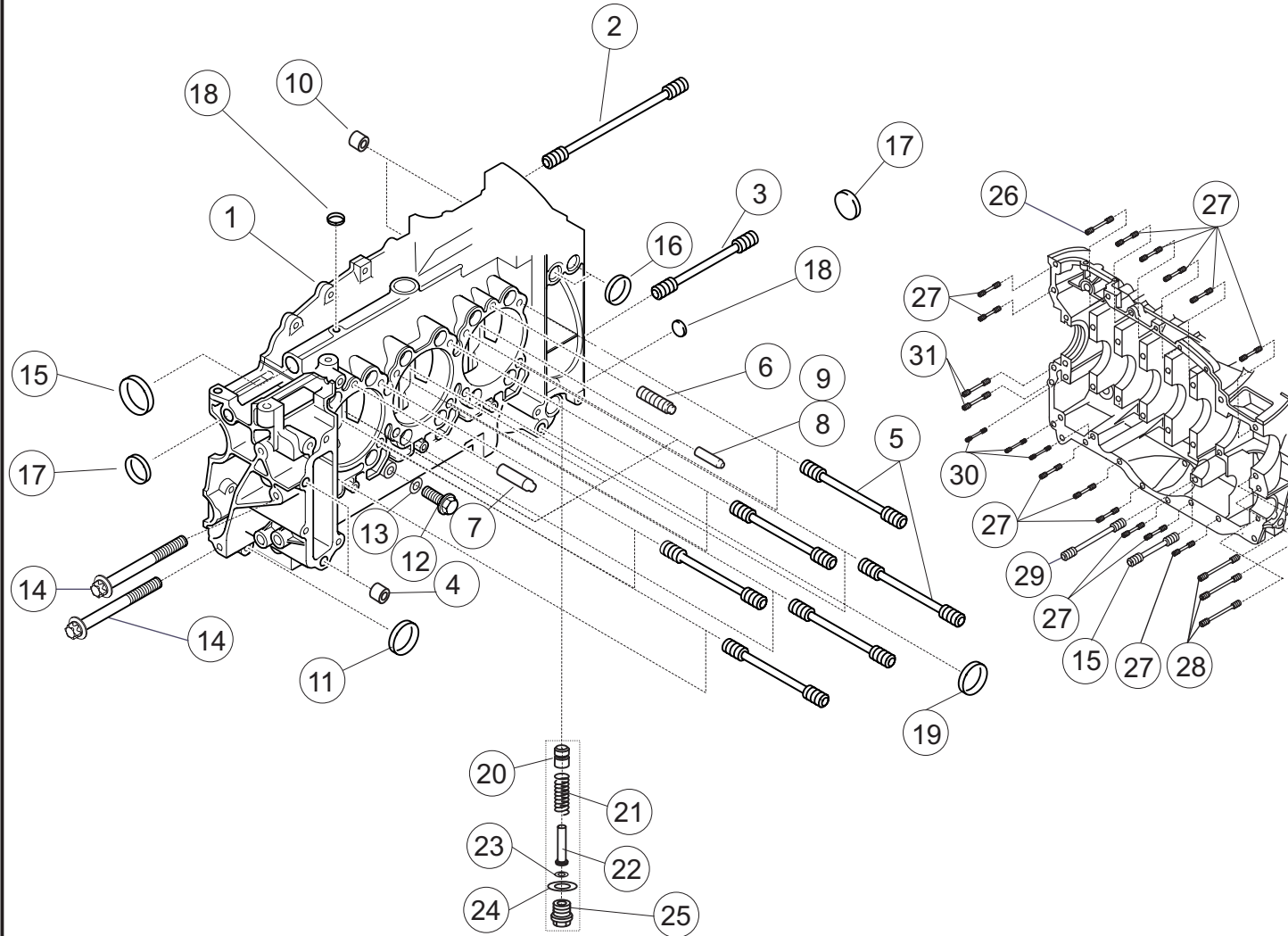


## Kurbelgehäuse rechts / crankcase right



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Kurbelgehäuse komplett li+re <i>crankcase assembly left+right</i>	R 1	996.101.022.98
2	STIFT-SHR B M10X140 8.8 <i>stud M10X140 8.8</i>	R 1	900.060.095.01
3	STIFT-SHR B M10X105 8.8 <i>stud M10X105 8.8</i>	R 1	900.060.096.01
4	Paßhülse <i>fitted sleeve</i>	2	901.101.145.00
5	STIFT-SHR Zylinderkopf <i>special stud</i>	12	996.101.172.70
6	ZYL-STIFT A 8,0X14 <i>cylindrical pin 8,0X14</i>	1	900.012.046.00
7	ZYL-STIFT A 6,0X14 <i>cylindrical pin 6,0X14</i>	1	900.012.057.00
8	Z-Spritzventil D=1,2mm <i>oil splash valve D=1,2mm</i>	R 3	997.101.018.90
9	Z-Spritzventil <i>oil splash valve</i>	R 3	997.101.018.91
10	Paßhülse zw. KG li+re <i>fitted sleeve between cc le+ri</i>	2	901.101.195.00
11	VSHL-Deck A19 <i>closure cap A19</i>	2	900.036.045.02
12	VSHL-SHR M16X1,5 <i>screw plug M16X1,5</i>	1	900.219.004.01
13	DI-RG A 16X20 <i>sealing ring A 16X20</i>	1	900.123.018.30
14	6RD-SHR M10X70 <i>torx screw M10X70</i>	2	900.385.119.01
15	STIFT-SHR Lagerstuhl 7 <i>special stud main bearing 7</i>	1	996.101.175.70
16	VSHL-Deck B16 <i>closure cap B16</i>	R 1	900.036.029.03
17	VSHL-Deck A13 <i>closure cap A13</i>	R 2	900.036.047.02
18	VSHL-STP 7,5X8 <i>plug 7,5X8</i>	1	911.101.186.02
19	VSHL-Deck A15 <i>closure cap A15</i>	1	900.036.008.03
20	Kolben f.Überdruckventil <i>piston for relief valve</i>	1	911.107.512.00
21	Feder f. Überdruckventil <i>pressure spring</i>	1	996.107.127.80
22	Führungshülse f. Feder <i>guide sleeve pressure spring</i>	1	996.107.533.91
23	Distanzring 1,5mm <i>spacer ring 1,5mm</i>	1	996.107.532.81
24	Dichtring A 18X24 <i>sealing ring A 18X24</i>	1	900.123.106.30
			<b>01-01-02</b>

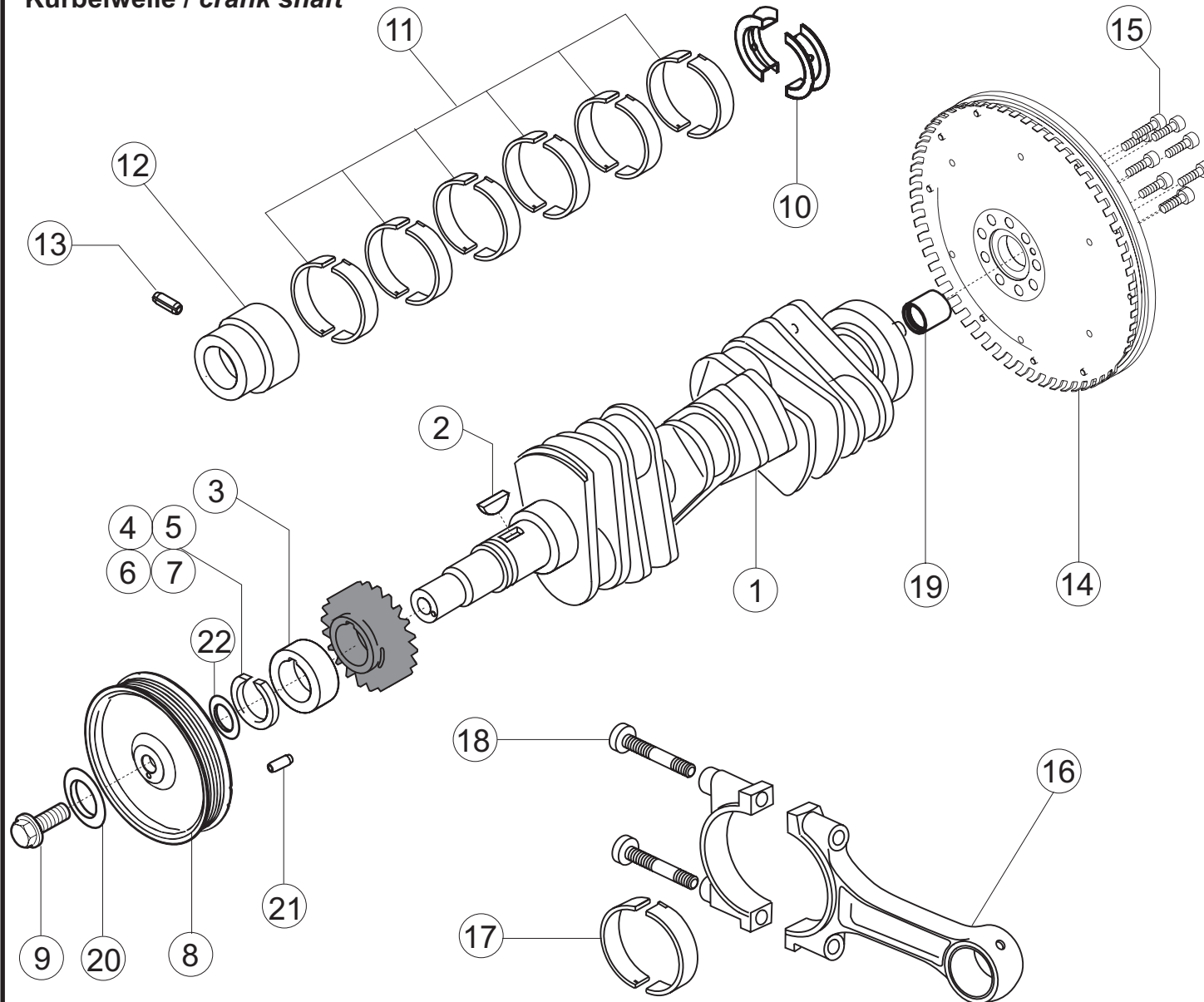
## Kurbelgehäuse rechts / crankcase right



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
25	VSHL-SHR Druckregelventil <i>screw plug</i>	R 1	996.107.105.82
26	STIFT-SHR B M8X52 <i>stud M8X52</i>	1	900.060.102.01
27	STIFT-SHR M8X32 8.8 <i>stud M8X32 8.8</i>	13	900.060.104.01
28	STIFT-SHR M8X78 8.8 <i>stud M8x78 8.8</i>	3	900.060.101.01
29	STIFT-SHR B M 10X 110 8.8 <i>stud M10X110 8.8</i>	1	900.060.099.01
30	STIFT-SHR B M8X22 8.8 Ölpum. <i>stud M8X22 8.8 oil-pump</i>	3	900.060.106.01
31	STIFT-SHR B M8X48 8.8 <i>stud M8X48 8.8</i>	2	900.060.103.01



## Kurbelwelle / crank shaft



Lagerkennzeichnung rot = Lagerspiel groß  
 Lagerkennzeichnung blau = Lagerspiel klein  
 red bearing marking = bearing shake wide  
 blue bearing marking = bearing shake small

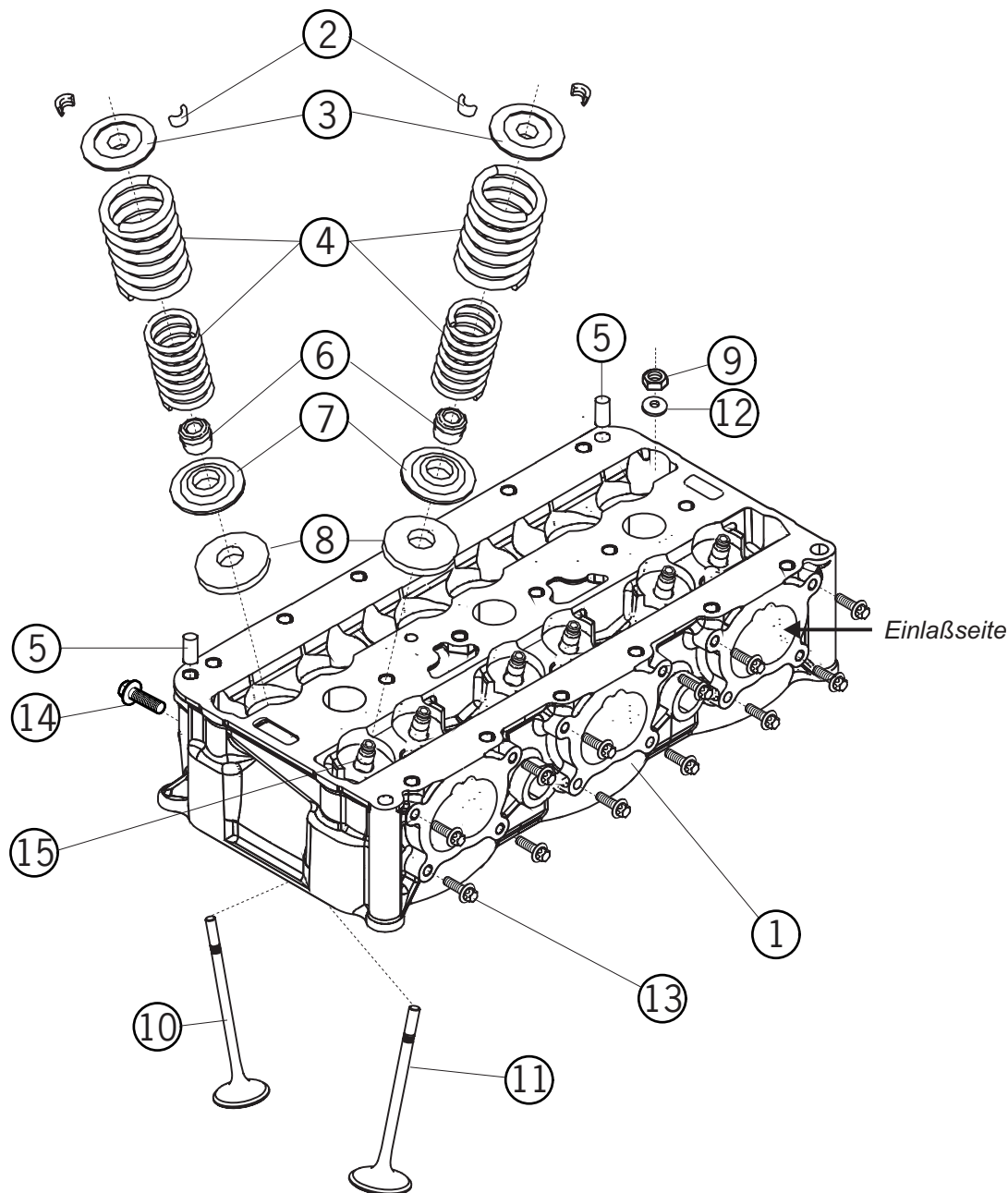
P.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Z-Kurbelwelle <i>crankshaft</i>	R 1	996.102.021.94
2	SHB-Feder <i>woodruff key</i>	1	901.102.147.00
3	Zwischenring <i>intermediate ring</i>	1	959.102.321.00
4	Spreng-RG SW 38,6(ww) K2 0 <i>circlip 38,6 index 0</i>	1	901.102.148.00
5	Spreng-RG SW 38,6(ww) K2 1 <i>circlip 38,6 index 1</i>	1	901.102.148.01
6	Spreng-RG SW 38,6(ww) K2 2 <i>circlip 38,6 index 2</i>	1	901.102.148.02
7	Spreng-RG SW 38,6(ww) K2 3 <i>circlip 38,6 index 3</i>	1	901.102.148.03
8	Riemenscheibe <i>belt pulley</i>	R 1	996.102.017.95
9	Durlock-Schraube M14X1,5X40 <i>hex bolt with collar</i>	1	993.102.550.80
10	Paßlager rot <i>axial-thrust bearing red</i>	R 2	996.101.231.91
	Paßlager gelb <i>axial-thrust bearing yellow</i>	R 2	996.101.231.92
	Paßlager blau <i>axial-thrust bearing blue</i>	R 2	996.101.231.93
11	Hauptlager rot <i>main bearing red</i>	R 12	996.101.232.91
	Hauptlager gelb <i>main bearing yellow</i>	R 12	996.101.232.92
	Hauptlager blau <i>main bearing blue</i>	R 12	996.101.232.93
12	Lagerbuchse Lager 8 <i>bushing bearing 8</i>	1	964.101.138.01
13	ZYL-STIFT 5H8X10 <i>stud 5H8X10</i>	1	900.012.061.00
14	Z-Schwungrad <i>flywheel</i>	R 1	997.102.041.90
15	Zylinderschraube <i>fillister-head screw</i>	9	930.102.206.00
16	Pleuel komplett ohne Schalen <i>conrod assembly without P.17</i>	R 6	996.103.012.89
17	Pleuellagerschale <i>conrod bearing shell</i>	R 12	996.103.121.94
18	Pleuelschraube <i>connecting-rod bolt</i>	R 12	997.103.176.92
19	Rillenkugellager <i>grooved ball bearing</i>	1	931.102.111.00
20	Scheibe 14,5x30x5,0 <i>washer 14,5x30x5,0</i>	1	999.025.174.01
			<b>01-02-00</b>





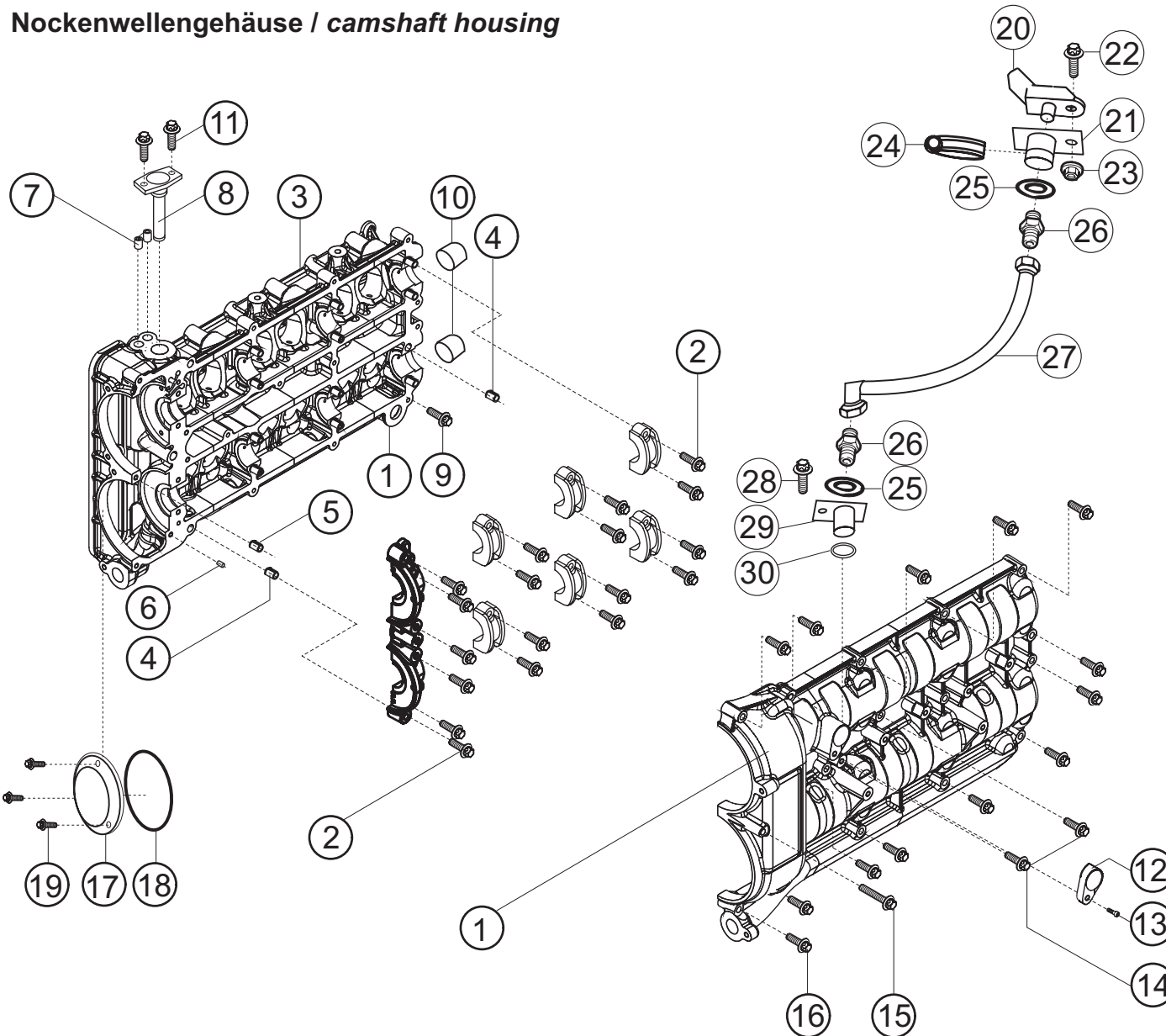


**Zylinderkopf / cylinder head**



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Zylinderkopf ohne Ventil u. Stiftshr. <i>cylinder head (no valves+studs)</i>	R 2	997.104.016.92
2	Ventilkegelstück <i>valve collet</i>	48	996.105.123.52
3	Ventilfederteller oben Ein- u. Ausl. <i>upper valve-spring pocket</i>	R 24	997.105.121.90
4	Satz Ventilefedern Ein- u. Auslass <i>valve springs in- and outlet</i>	R 24	997.105.093.90
5	ZYL-STIFT 8X14 <i>cylindrical pin 8X14</i>	4	900.012.046.00
6	Ventilschaftdichtung <i>valve-stem seal</i>	24	996.105.115.52
7	Ventilfederteller unten <i>valve-spring pocket below</i>	R 24	997.105.117.90
8	Unterlegscheibe <i>plain washer</i>	R 24	996.105.461.93
9	Zylinderkopfmutter M10 <i>cylinder-head nut M10</i>	24	996.104.382.80
10	Auslaßventil D=35,5 <i>exhaust valve d=35,5</i>	R 12	997.105.113.90
11	Einlaßventil D=41 <i>intake valve d=41</i>	R 12	997.105.111.90
12	Unterlegscheibe <i>plain washer</i>	R 24	996.104.351.90
13	6RD-SHR M 6X16 <i>torx screw M6X16</i>	24	900.385.009.01
14	6KT-SHR B M 8X28 <i>hex screw M8X28</i>	18	900.378.131.00
15	Ventilführung Ein+Auslaß Normal <i>v.-guide inlet+exhaust normal</i>	R 12	996.104.116.9A

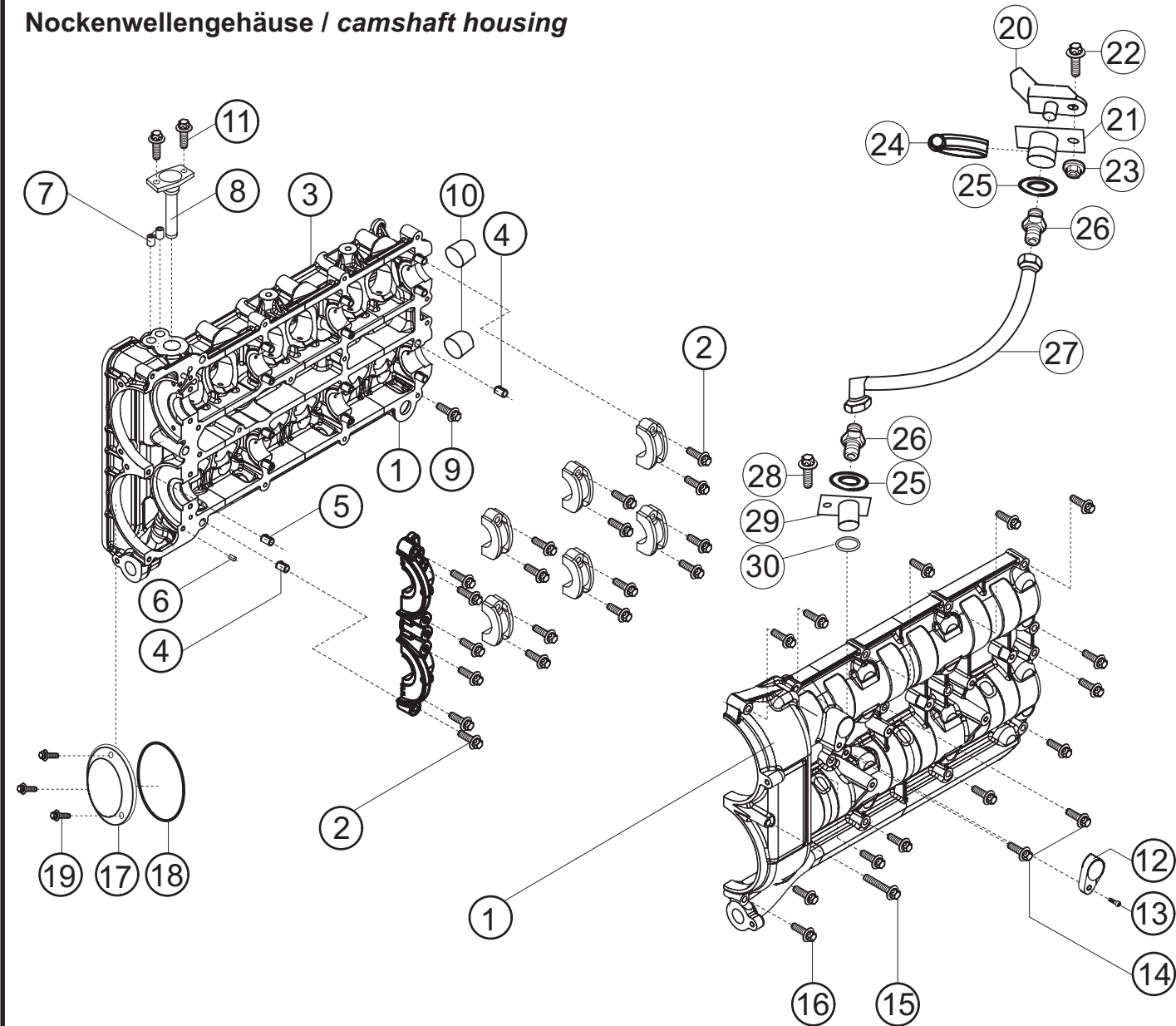
## Nockenwellengehäuse / camshaft housing



Pos	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Nockenwellengehäuse li. Zyl.1-3 camshaft housing left cyl. 1-3	R 1	997.105.039.91
	Nockenwellengehäuse re. Zyl.4-6 camshaft housing right cyl. 4-6	R 1	997.105.040.91
2	6RD-SHR M6x30 torx screw M6x30	18	900.385.048.01
3	Dichtung N.geh.-Zylinderkopf li+re gasket camshaft.-cyl.head	2	996.105.613.91
4	Passhülse fit sleeve	14	944.104.361.00
5	Passhülse fit sleeve	1	996.104.117.50
6	Zylinderstift 4,0x8 cylindrical pin 4,0x8	2	900.012.071.00
7	Verschlussstopfen 11,2 Alu plug 11,2	2	999.501.024.30
8	Verschlusszapfen closure pin	R 2	997.105.775.9A
o.B.	O-RING 18,72x2,62 f. VS.-Zapfen o-ring 18.72x2,62 f. closure pin	R 2	999.707.134.40
o.B.	O-RING 6,75x1,78 f.VS.-Zapfen o-ring 6,75x1,78 f. closure pin	2	999.701.491.40
9	6RD-SHR M8x50 10.9 torx screw M8x50 10.9	36	900.385.071.01
10	Verschlussdeckel (Kunststoff) plastic closure cap	4	996.105.329.70
11	6RD-SHR M6x16 torx screw M6x16	2	900.385.050.01
12	Hallgeber (nicht aktiv) OT-Erken. hall sensor (deactivated)	1	997.606.106.01
13	ZYL-SHR M6x16 fillister screw M6x16	1	900.387.264.01
14	6RD-SHR M6x25 torx screw M6x25	2	900.385.072.01
15	6RD-SHR M6x75 torx screw M6x75	1	900.385.118.01
16	6RD-SHR M6x35 torx screw M6x35	14	900.385.270.01
17	Deckel Einlaßnockenwelle cover for inlet camshaft	2	997.105.315.71
18	O-RING 90x2,5 o-ring 90x2,5	2	999.707.482.41
19	6RD-SHR M6x20 torx screw M6x20	6	900.385.019.01
20	Druckgeber pressure pick-up	R 1	Kap.9 / chap.9
21	Adapter Drucksensor adapter for pressure pick-up	R 1	996.606.313.9A

Nockenwellengehäuse immer gepaart mit Deckel und Lagerbrücken  
Cover and bridges for camshaft housing cannot be ordered separatly

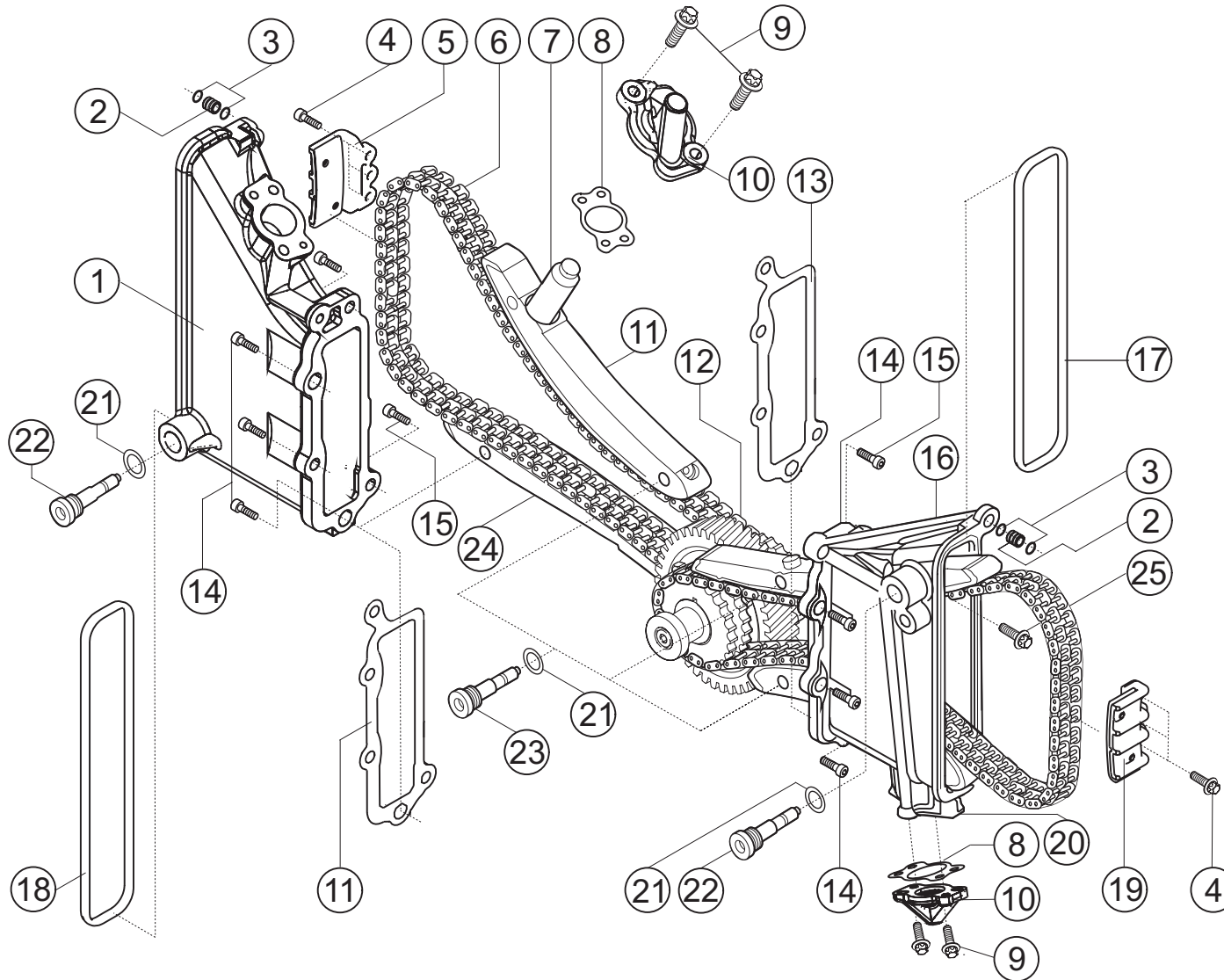
### Nockenwellengehäuse / camshaft housing



Pos	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
22	6RD-SHR M6X12 torx screw M6X12	1	900.385.041.01
23	6KT-MU M6 hex nut M6	1	900.377.010.01
24	HALT-SHE 20X15 clamp 20X15	1	999.511.177.01
25	Dichtring A10X16 sealing ring A10X16	2	900.123.066.30
26	Verbindungstutzen connecting neck	R 2	999.105.026.30
27	Druckleitung pressure line	R 1	997.110.771.8A
28	6RD-SHR M6X16 torx screw M6X16	1	900.385.009.01
29	Adapter adapter	R 1	996.606.311.9D
30	O-RING 17,05X1,78 o-ring 17,05X1,78	1	999.707.404.40

Nockenwellengehäuse immer gepaart mit Deckel und Lagerbrücken  
Cover and bridges for camshaft housing cannot be ordered separatly

## Steuerketten + Kettenkästen / *timing chain + timing-chain case*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kettengehäuse links Zyl.1-3 <i>timing-chain case left cyl.1-3</i>	R 1	997.105.143.70
2	Dichtungshülse zw.Ketten/NWgh. <i>sealing sleeve</i>	2	996.105.229.90
3	O-Ring 9,25X1,78N <i>o-ring 9,25X1,78N</i>	4	999.707.614.40
4	6RD-SHR M 6X25 <i>torx screw M 6X25</i>	6	900.385.072.01
5	Umlenkschiene links NW-Räder <i>deflection rail left</i>	1	996.105.037.75
6	Zweifach-Rollenkette <i>dual roller-chain</i>	2	959.105.552.01
7	Z-Kettenspanner links <i>chain tensioner</i>	1	959.105.051.01
8	Dichtung Deckel-Kettenspanner <i>sealing for chain-tensioner cap</i>	2	996.105.172.70
9	6RD-SHR M6X20 <i>torx screw M6X20</i>	4	900.385.019.01
10	Z-Deckel f. Kettenspanner <i>cap for chain-tensioner</i>	2	993.105.022.01
11	Spannschiene <i>tensioning rail</i>	2	996.105.165.71
12	Z-Gleitschiene rechts <i>slide rail right</i>	1	996.105.166.70
13	Kettengehäuse Dichtung unten <i>chain-case sealing below</i>	2	996.105.192.71
14	KOMBI-SHR 8X35 <i>fillister screw 8X35</i>	4	900.067.276.01
15	KOMBI-SHR M8X30 <i>fillister screw M8X30</i>	5	900.067.247.01
16	Kettengehäuse rechts Zyl.4-6 <i>timing-chain case right cyl.4-6</i>	R 1	997.105.144.91
17	Dichtung Kettengehäuse rechts <i>chain-case sealing right</i>	1	996.105.514.72
18	Dichtung Kettengehäuse links <i>chain-case sealing left</i>	1	996.105.513.72
19	Z-Umlenkschiene rechts NW-Rad <i>deflection rail right</i>	1	996.105.038.75
20	Z-Kettenspanner rechts <i>chain tensioner right</i>	1	959.105.052.01
21	Dichtring A16X22 Alu <i>sealing ring A16X22</i>	6	900.123.152.30
22	Lagerbolzen <i>bearing bolt</i>	2	996.105.175.70
23	Bolzen SW 8 <i>bolt SW 8</i>	4	964.105.171.03
24	Z-Gleitschiene links <i>slide rail left</i>	1	996.105.167.70

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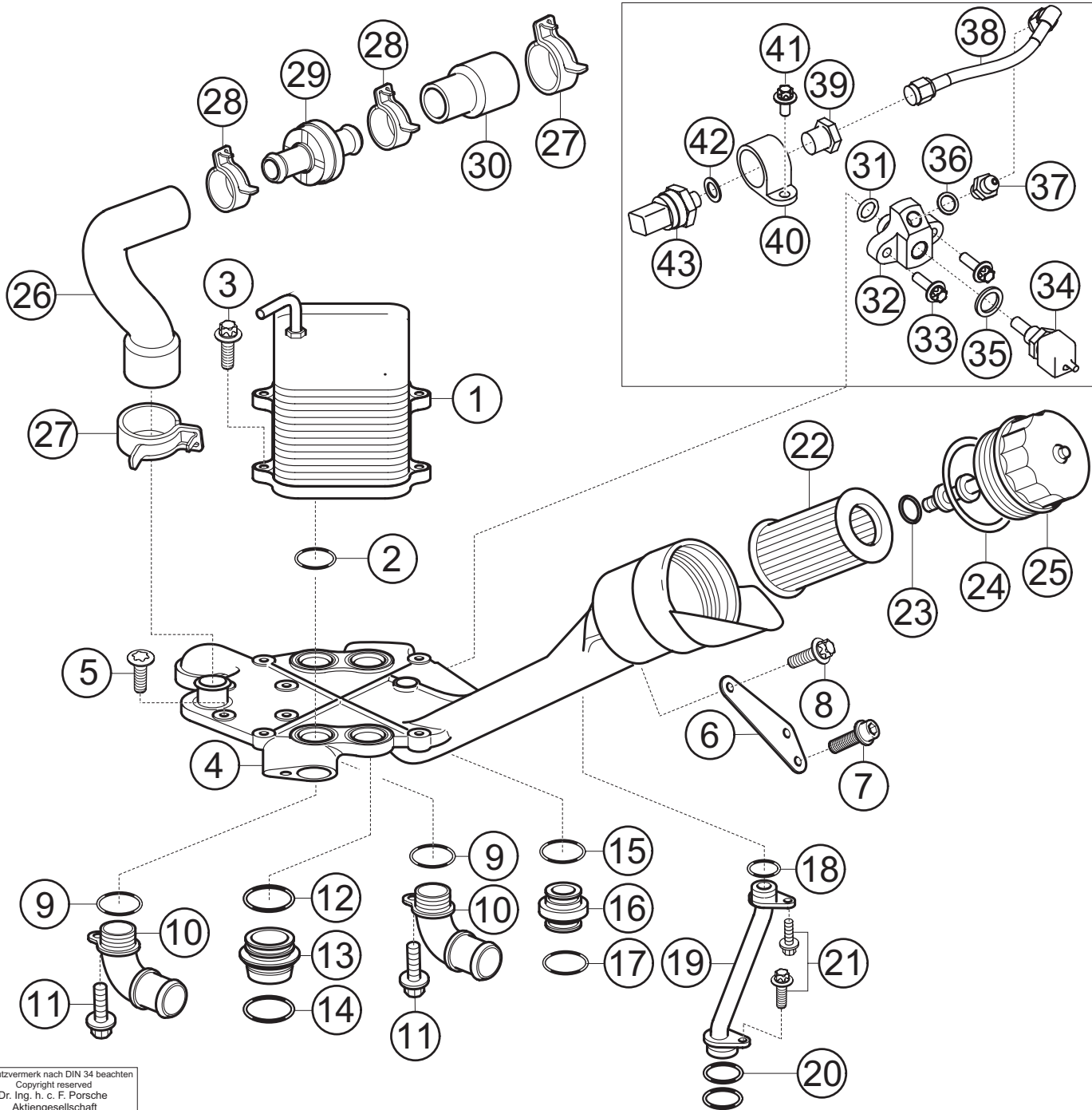








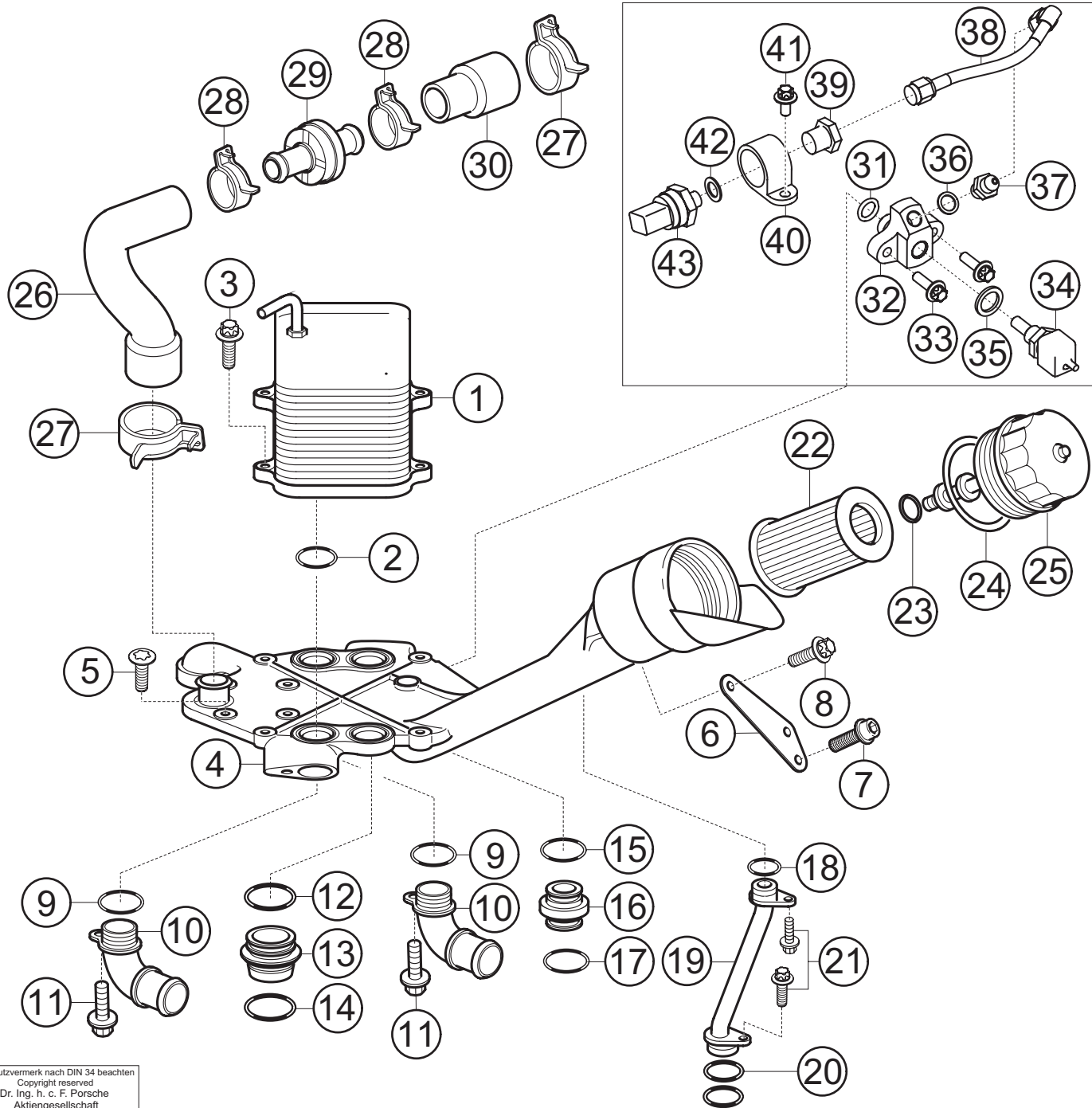
## Wärmetauscher + Konsole + Ölfilter / heat-exchanger + console + oil filter



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Öl-Wasser Wärmetauscher <i>oil-water heat exchanger</i>	R 1	997.107.025.90
2	O-RING 26X3 <i>o-ring 26X3</i>	4	999.707.409.41
3	6RD-SHR M6X16 <i>torx screw M6X16</i>	4	900.385.009.01
4	Konsole Wärmetauscher <i>console for heat exchanger</i>	R 1	997.107.033.90
5	FL-KPF-SHR M6X20 <i>oval head screw M6X20</i>	4	999.073.316.02
6	Halter <i>support</i>	1	997.107.301.90
7	KOMBI-SHR M8X16 <i>screw+washer</i>	2	900.067.291.01
8	6RD-SHR M6X16 <i>torx screw M6X16</i>	1	900.385.009.01
9	O-RING 24,0X3,0 <i>o-ring 24,0X3,0</i>	2	999.707.478.40
10	Rohrstutzen <i>neck</i>	2	997.106.313.72
11	6RD-SHR M6X16 <i>torx screw M6X16</i>	2	900.385.009.01
12	O-RING 32,92X3,53 <i>o-ring 32,92X3,53</i>	1	999.707.422.41
13	Verbindungsstutzen <i>connecting neck</i>	1	996.107.441.71
14	O-RING 37,69X3,53 <i>o-ring 37,69X3,53</i>	1	999.707.426.41
15	O-RING 20,22X3,53 <i>o-ring 20,22X3,53</i>	1	999.707.113.41
16	Verbindungsstutzen <i>connecting neck</i>	1	997.107.451.70
17	O-RING 20,22X3,53 <i>o-ring 20,22X3,53</i>	1	999.707.113.41
18	O-RING 12,00X2,0 <i>O-RING 12,00X2,0</i>	1	999.701.789.40
19	Ölrohr <i>oil tube</i>	1	997.107.311.90
20	O-RING 18,00X2,5 <i>o-ring 18,00X2,5</i>	2	999.707.446.40
21	6RD-SHR M6X12 <i>torx screw M6X12</i>	2	900.385.041.01
22	Filtereinsatz <i>oil filter</i>	1	996.107.225.53
23	O-RING 10X2 <i>o-ring 10x2</i>	1	999.707.465.40
24	Dichtring 71,5X3,5 <i>sealing ring 71,5X3,5</i>	1	996.107.313.51



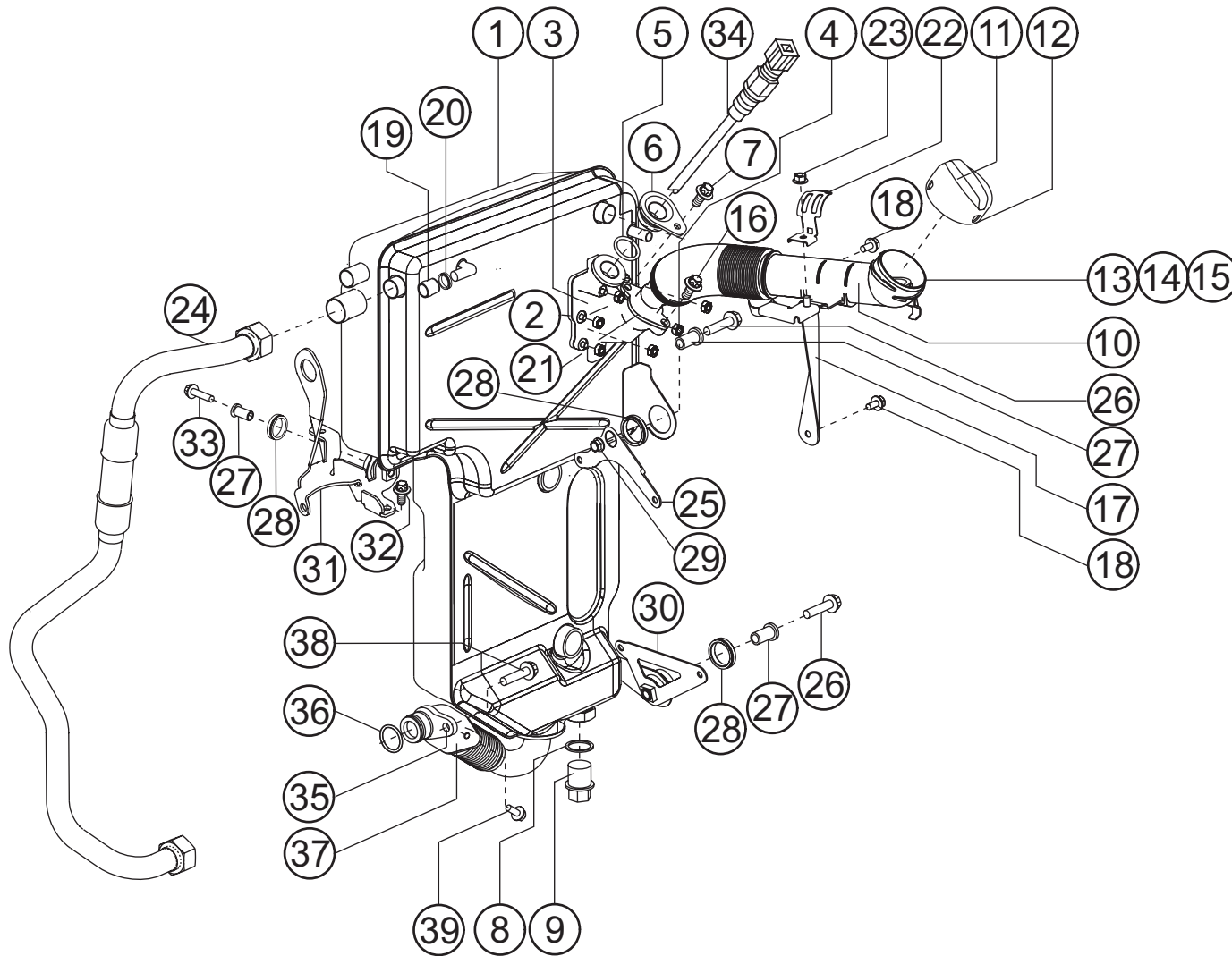
## Wärmetauscher + Konsole + Ölfilter / heat-exchanger + console + oil filter



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
25	Deckel cap	1	996.107.285.70
26	Entlüftungsschlauch ventilation hose	1	997.207.143.91
27	Schlauchschelle 32X12 hose clamp 32X12	R 2	999.512.662.09
28	Schlauchschelle 25X12 hose clamp 25X12	2	999.512.656.09
29	Rückschlagventil non-return valve	1	997.107.491.90
30	Verbindungsschlauch connecting hose	1	997.207.145.91
31	O-RING 10,8X2,5 o-ring 10,8X2,5	R 1	999.701.696.40
32	Adapter Temperatursensor adapter for temperature sensor	R 1	997.606.423.90
33	6RD-SHR M6X20 torx screw M6X20	2	900.385.019.01
34	Temperatursensor temperature sensor	R 1	Kap.9 / chap.9
35	Dichtring 12X18 sealing ring 12X18	1	900.123.101.30
36	Dichtring 10X16 sealing ring 10X16	1	900.123.066.30
37	Doppelstutzen M10X1-D3 double neck M10X1-D3	R 1	999.105.026.30
38	Druckleitung pressure line	R 1	996.107.477.9D
39	Aufnahme base	R 1	996.110.415.9A
40	Norma-Schelle D25 clamp D25	R 1	999.511.124.01
41	6RD-SHR M6X12 torx screw M6X12	1	900.385.041.01
42	Dichtring 10X16 sealing ring 10X16	1	900.123.066.30
43	Drucksensor pressure sensor	R 1	Kap.9 / chap.9



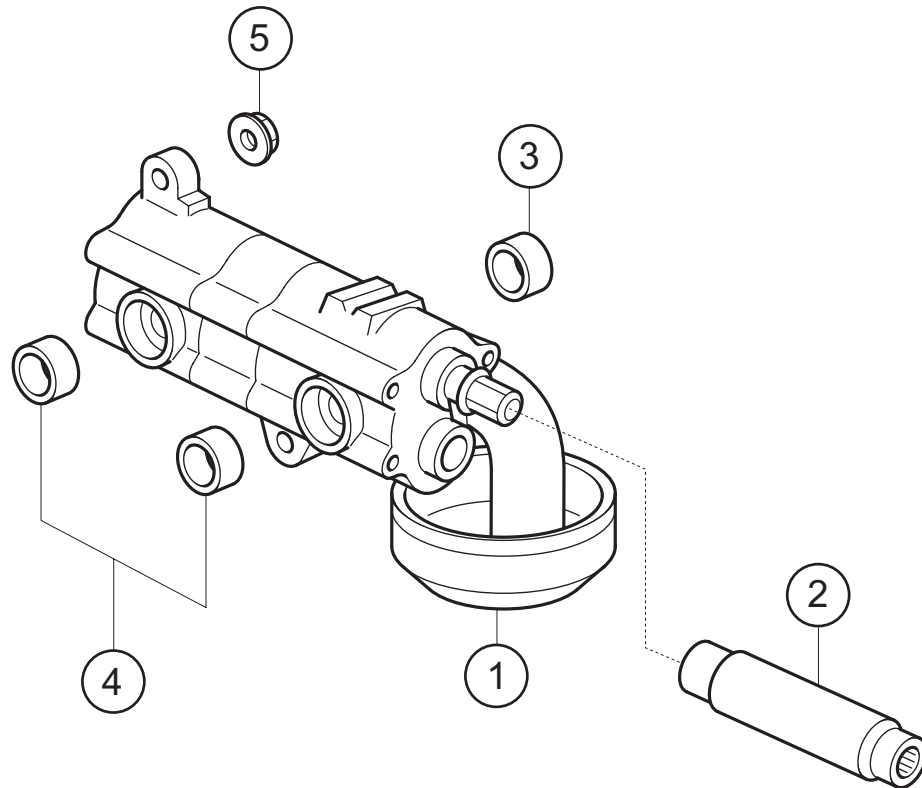
Öltank / oil tank



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Z Ölbehälter <i>oil tank assembly</i>	R 1	997.207.070.91
2	Dichtung <i>sealing</i>	1	993.207.226.00
3	Zwischenstück <i>connecting piece</i>	1	996.207.150.90
4	6KT-MU M5 <i>hex nut M5</i>	6	900.377.009.01
5	Dichtring 25,07x2,62 <i>sealing ring 25,07x2,62</i>	1	999.707.343.41
6	Flansch Ölstandsgeber <i>flange for oil level sender</i>	1	996.207.212.70
7	6RD-SHR M6x20 <i>torx screw M6x20</i>	1	900.385.275.01
8	Dichtring A 20x24 <i>sealing ring 20x24</i>	1	900.123.010.20
9	Verschlußschraube M20x1,5 <i>screw plug M20x1,5</i>	1	900.065.018.00
10	Ölbefüllrohr <i>oil filling tube</i>	1	996.207.016.70
11	Verschlußdeckel <i>closure cap</i>	1	996.107.035.50
12	O-Ring 51x4,5N <i>o-ring 51x4,5N</i>	1	999.707.285.41
13	Halteklammer Ölmeßstabführung <i>retaining clamp</i>	1	996.207.233.71
14	Ölmeßstab <i>oil dipstick</i>	R 1	996.207.231.94
15	Führungsrohr f. Ölmeßstab <i>guide tube for oil dipstick</i>	R 1	996.207.031.90
16	6RD-SHR M6x16 <i>torx screw M6x16</i>	1	900.385.050.01
17	Halter Öleinfüllrohr <i>oil filling tube support</i>	R 1	997.207.216.94
18	6RD-SHR M6x12 <i>torx screw M6x12</i>	2	900.385.041.01
19	Verschlußkappe D8 <i>closure cap D8</i>	1	930.110.256.02
20	Federbandschelle 25x12 <i>spring clamp 25x12</i>	1	999.512.656.09
21	O-Ring 24x3,0 <i>o-ring 24x3,0</i>	1	999.707.481.40
22	Klemmschelle <i>clamp</i>	1	997.207.293.90
23	6KT-MU M6 <i>hex screw M6</i>	1	900.377.010.02
24	Rücklaufleitung <i>return line</i>	R 1	996.107.027.94



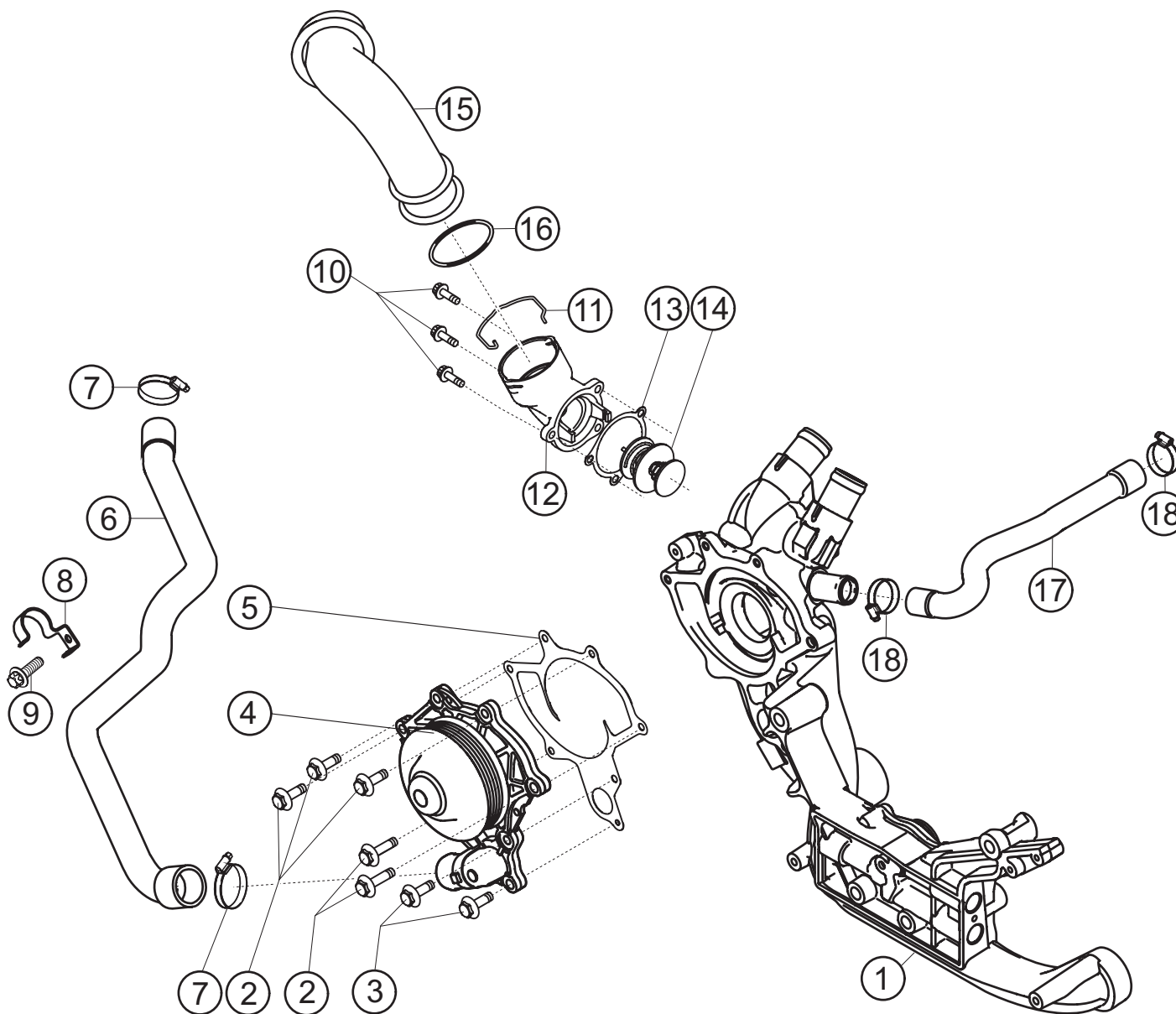
### Ölpumpe / oil pump



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Ölpumpe komplett oil pump complete	R 1	996.107.007.94
2	Verbindungswelle connecting shaft	1	930.107.143.03
3	Dichtring 19,5X26X8,5 sealing ring 19,5X26x8,5	1	999.704.173.50
4	Dichtring 16,3X22X9,5 sealing ring 16,3X22X9,5	2	999.704.172.50
5	Sicherungsmutter M8 securing nut M8	3	900.380.005.01

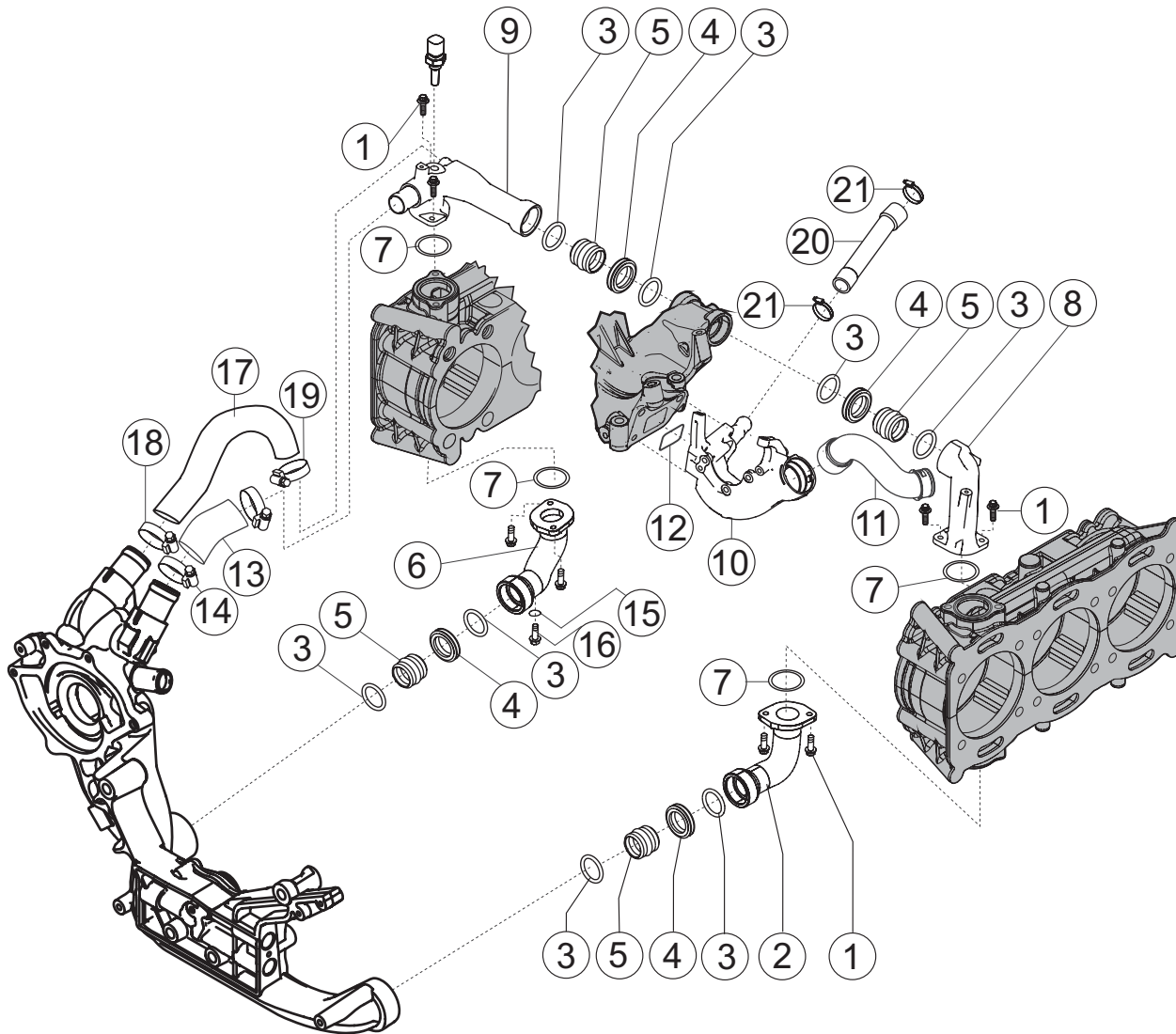


Wasserpumpe / water pump



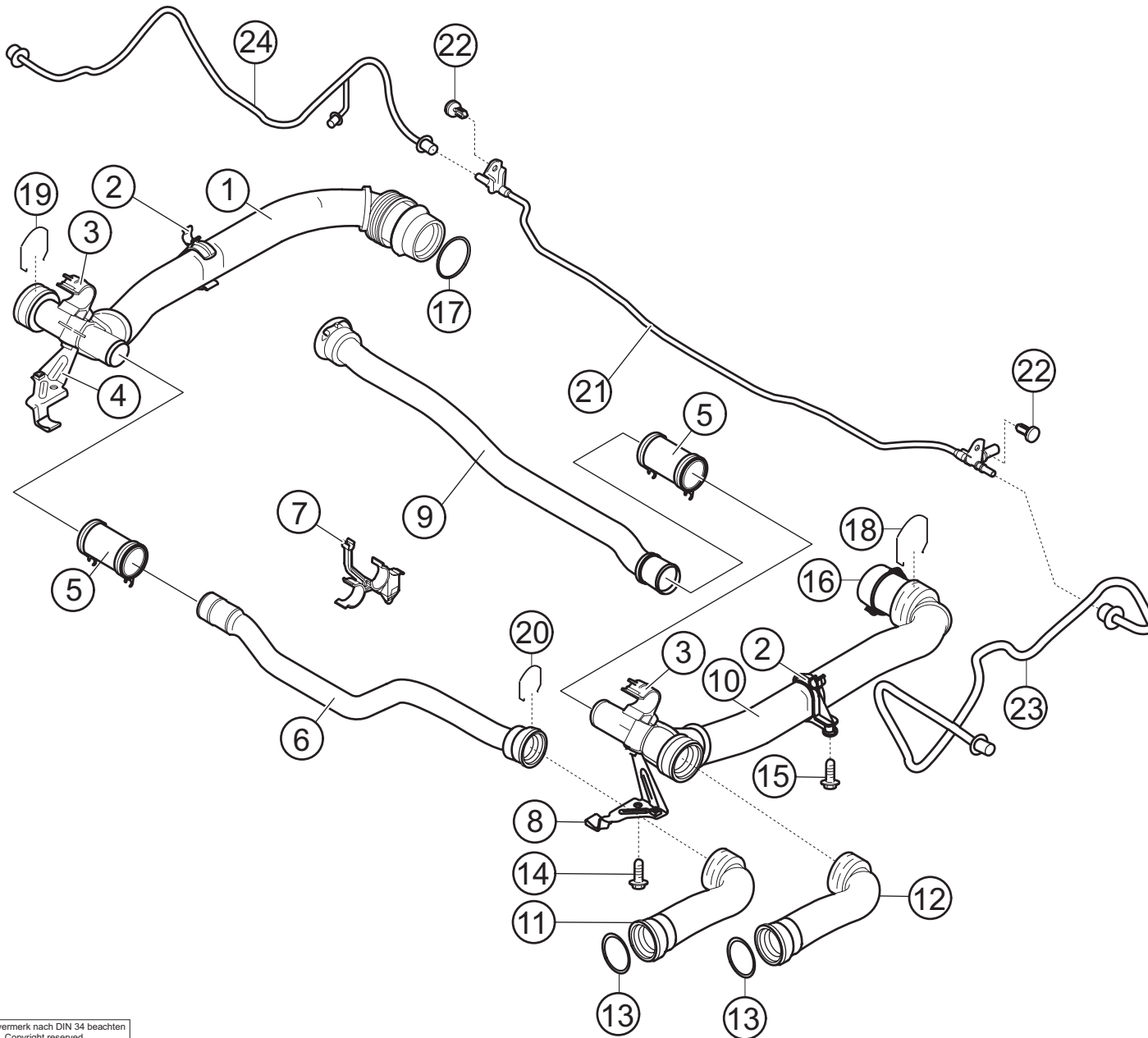
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Z Wasserpumpengeh. water-pump housing	1	997.106.061.70
2	FL-KPF-SHR M6x25 pan-head screw M6x25	5	999.073.102.01
3	FL-KPF-SHR M6x30 pan-head screw M6x30	2	999.073.110.01
4	Z Wasserpumpe water pump assembly	1	997.106.011.70
5	Wasserpumpendichtung water pump sealing	1	997.106.340.00
6	Befüllschlauch Wasserpumpe supply hose water pump	1	996.106.250.72
7	SHL-SHE 25-40/9 hose clamp 25-40/9	2	999.512.551.00
8	Halter Befüllschlauch support for supply hose	1	996.106.550.72
9	6RD-SHR M6x12 torx screw M6x12	1	900.385.041.01
10	6RD-SHR M6x20 torx screw M6x20	3	900.385.019.01
11	Rastfeder retaining spring	1	997.106.802.03
12	Deckel f. Thermostat cap for thermostat	1	996.106.121.72
13	Dichtung f. Thermostatdeckel sealing f. thermostat cap	1	996.106.326.71
14	Kühlwasserregler coolant control device	R 1	996.106.125.92
15	Rücklaufschlauch return hose	1	997.106.502.00
16	O-RING 42mm o-ring 42mm	2	996.106.801.03
17	Vorlaufschlauch Wärmetauscher supply hose for heat exchanger	1	997.106.477.72
18	SHL-SHE 20-32/9 hose clamp 20-32/9	2	999.512.552.00

Wasseraus/ -eintrittsstutzen / *waterinlet/ -outlet neck*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	6RD-SHR M6X20 <i>torx nut M6X20</i>	8	900.385.019.01
2	Wassereintr. Stutzen Zyl. 4-6 <i>water inlet neck cyl. 4-6</i>	1	996.106.140.71
3	O-Ring 28X4,5 <i>o-ring 28x4,5</i>	8	999.707.411.40
4	Staubschutzring <i>dust protection ring</i>	4	996.106.214.70
5	Verbindungstutzen <i>connector tube</i>	4	996.106.238.71
6	Wassereintr. Stutzen Zyl.1-3 <i>water inlet neck cyl. 1-3</i>	1	996.106.139.71
7	O-Ring 39,2X3 <i>o-ring 39,2X3</i>	4	999.707.410.40
8	Wasseraustr. Stutzen Zyl. 4-6 <i>water outlet neck cyl. 4-6</i>	1	997.106.440.70
9	Wasseraustr. Stutzen Zyl. 1-3 <i>water outlet neck cyl. 1-3</i>	1	997.106.039.90
10	Servopumpenträger <i>servo-pump support</i>	1	997.115.091.72
11	Vorlaufschlauch <i>supply hose</i>	R 1	997.106.501.90
12	O-Ring 51X2,5 <i>o-ring 51X2,5</i>	1	999.707.298.40
13	Kurzschlußschlauch Thermostat <i>bypass hose thermostat</i>	1	996.106.529.73
14	SHL-SHE 25-40/9 <i>hose clamp 25-40/9</i>	2	999.512.551.00
15	Dichtring 10x13,5 <i>sealing ring 10x13,5</i>	2	900.123.144.30
16	Verschlußschraube M10x1 <i>closure screw M10x1</i>	2	900.219.007.01
17	Kurzschlußschlauch Heizung <i>bypass hose heating</i>	R 1	997.106.514.90
18	SHL-SHE 25-40/9 <i>hose clamp 25-40/9</i>	1	999.512.551.00
19	SHL-SHE 20-32/9 <i>hose clamp 20-32/9</i>	1	999.512.552.00
20	Rücklaufschlauch Wärmetauscher <i>return hose heat exchanger</i>	1	997.106.328.72
21	SHL-SHE 20-32/9 <i>hose clamp 20-32/9</i>	2	999.512.552.00

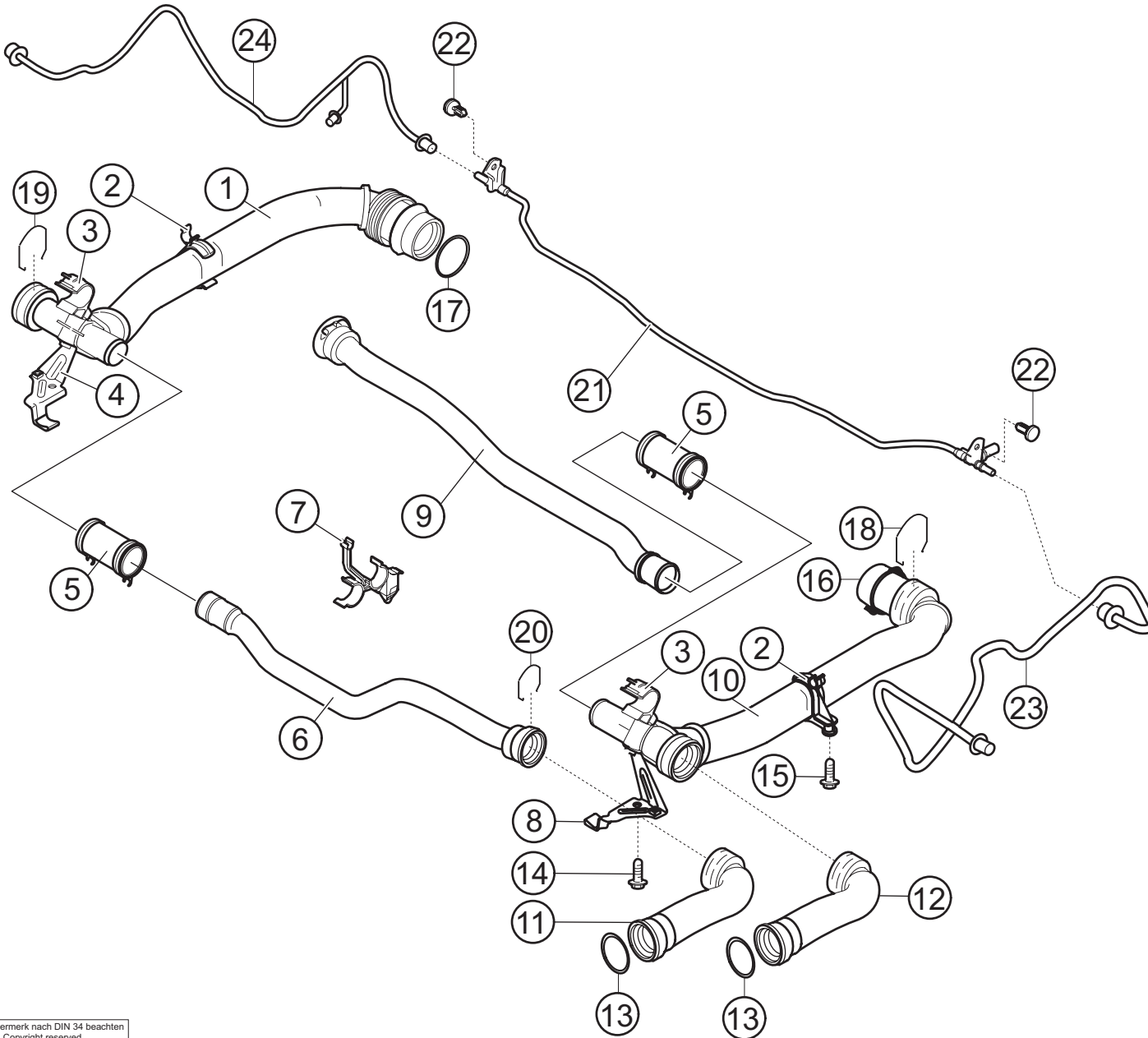
Wasserkreislauf vorne / front water-circuit



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Verteilerrohr Vorlauf <i>supply tube</i>	1	997.106.752.04
2	Halter Verteilerrohr <i>bracket distributor tube</i>	2	997.106.413.01
3	Halter Querrohr oben <i>transverse tube bracket</i>	2	997.106.526.01
4	Halter Verteilerrohr rechts <i>bracket distributor tube right</i>	1	997.106.574.02
5	Kühlwasserschlauch <i>water hose</i>	2	997.106.723.07
6	Querrohr Vorlauf <i>transverse supply tube</i>	1	997.106.711.02
7	Halter Querrohr mitte <i>transverse tube bracket middle</i>	1	997.106.525.01
8	Halter Verteilerrohr links <i>bracket distributor tube left</i>	2	997.106.573.02
9	Querrohr Rücklauf <i>transverse return tube</i>	1	997.106.720.02
10	Verteilerrohr Rücklauf <i>return tube</i>	1	997.106.751.04
11	Vorlaufschlauch links <i>supply hose left</i>	1	997.106.623.03
	Vorlaufschlauch rechts <i>supply hose right</i>	1	997.106.627.03
12	Rücklaufschlauch links <i>return hose left</i>	1	997.106.728.03
	Rücklaufschlauch rechts <i>return hose right</i>	1	997.106.624.03
13	O-Ring klein <i>o-ring small</i>	2	996.106.801.02
	O-Ring groß <i>o-ring large</i>	R 2	996.106.801.07
14	6KT-SHR M6X25 <i>hex screw M6X25</i>	2	900.378.013.01
15	6KT-SHR M6X12 <i>hex screw M6X12</i>	2	900.378.036.01
16	Verbindungs- muffe <i>coupling sleeve</i>	2	997.106.551.03
17	O-Ring <i>o-ring</i>	4	996.106.801.03
18	Rastfeder SCB 42 <i>stop spring SCB 42</i>	2	997.106.802.03
19	Rastfeder SCB 36 <i>stop spring SCB 36</i>	2	997.106.802.02
20	Rastfeder SCB 33 <i>stop spring SCB 33</i>	2	997.106.802.01
21	Entlüftungsleitung quer <i>ventilation tube</i>	1	997.106.767.02

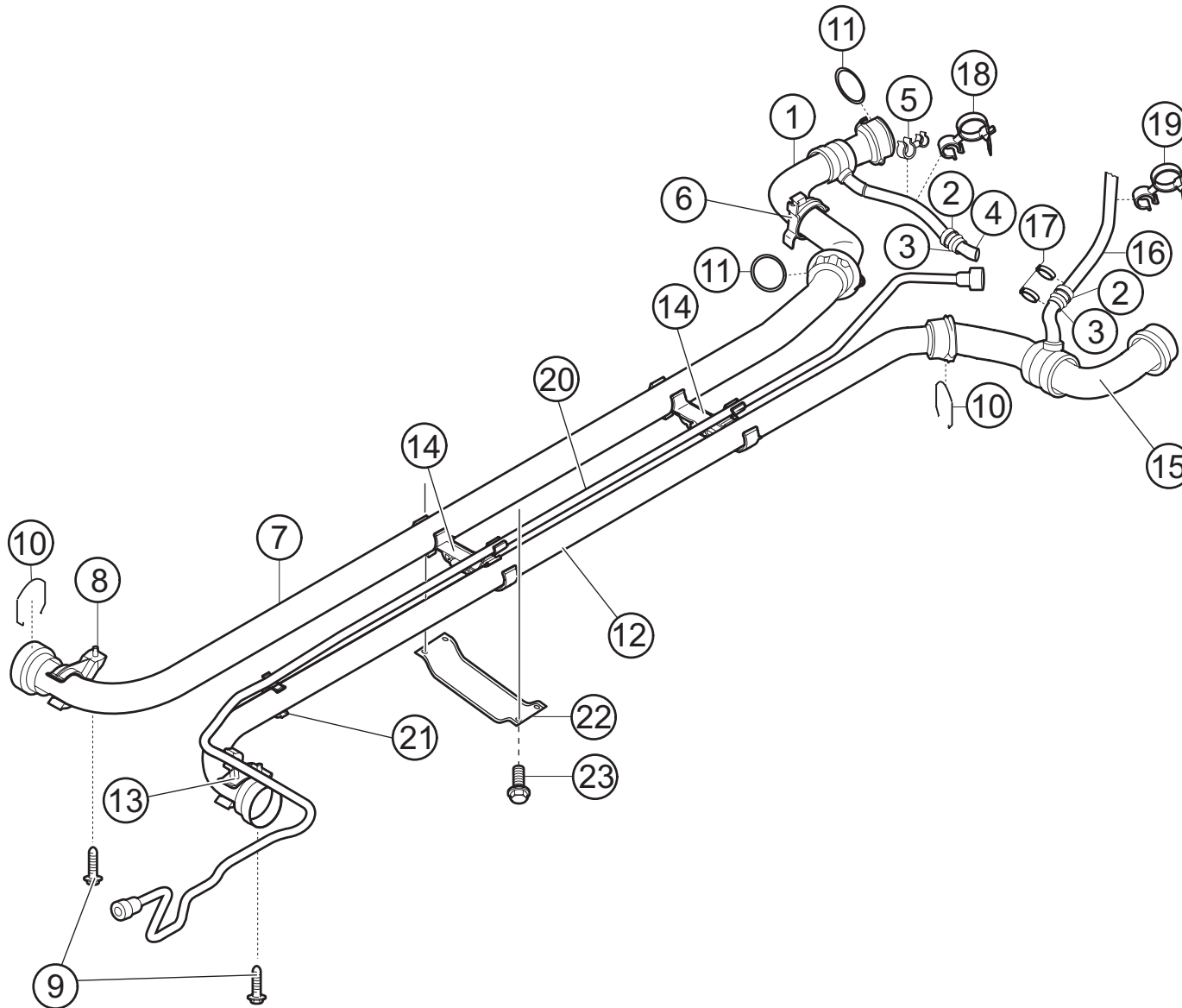


## Wasserkreislauf vorne / front water-circuit



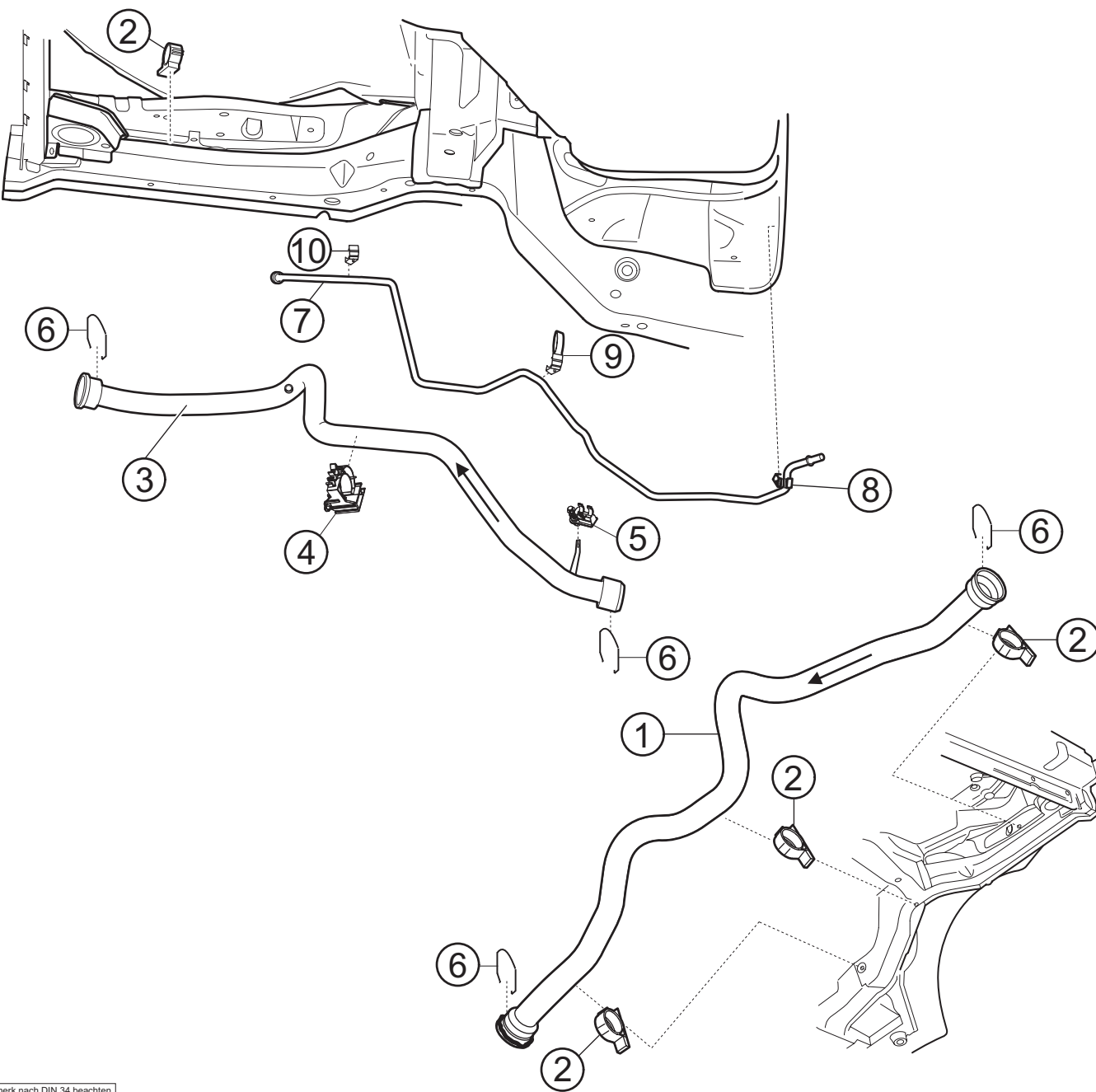
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
22	Spreizniet 8,0X14 spreader rivet 8,0X14	2	999.507.497.40
23	Entlüftungsleitung links ventilation tube left	R 1	997.106.765.91
24	Entlüftungsleitung rechts ventilation tube right	R 1	997.106.766.91

Wasserkreislauf Mitte / mid water-circuit



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Vorlaufschlauch komplett supply hose assembly	R 1	997.106.950.93
2	Stecker für Entlüftungskupplung plug for ventilation coupling	R 2	997.106.885.9A
3	Entlüftungskupplung ventilation coupling	R 2	997.106.886.9A
4	Anschlußschlauch WT komplett connecting-hose WT	R 1	997.106.952.92
5	Schlauchclip hose support	R 1	999.507.118.40
6	Halter bracket	1	997.106.427.01
7	Vorlaufrohr Tunnel supply tube tunnel	1	997.106.651.03
8	Halter Stirnwand rechts bracket right	1	997.106.520.02
9	6KT-SHR M6X16 hex screw M6X16	2	900.378.035.01
10	Rastfeder SBC 42 stop spring SBC 42	4	997.106.802.03
11	O-Ring o-ring	4	996.106.801.03
12	Rücklaufrohr Tunnel return hose tunnel	1	997.106.652.03
13	Halter Stirnwand links bracket left	1	997.106.521.01
14	Haltebrücke Tunnel bracket tunnel	2	997.106.540.02
15	Rücklaufschlauch komplett return hose assembly	R 1	997.106.951.92
16	Rücklaufschlauch WT komplett return hose heat exchanger	R 1	997.106.953.92
17	1-O-KLM 18,2-21 clamp 18,2-21	4	999.512.457.00
18	Halter Schlauch WT hose support heat-exchanger	R 1	999.507.120.40
19	Halter Schlauch WT hose support heat-exchanger	R 1	999.507.121.40
20	Entlüftungsleitung Tunnel ventilation-line tunnel	1	997.106.227.03
21	Halter Entlüftungsleitung bracket ventilation line	1	997.106.512.03
22	Querstrebe cross strut	R 1	997.504.823.01
23	KOMBI-SHR M10x25 hex screw M10x25	4	900.385.123.01

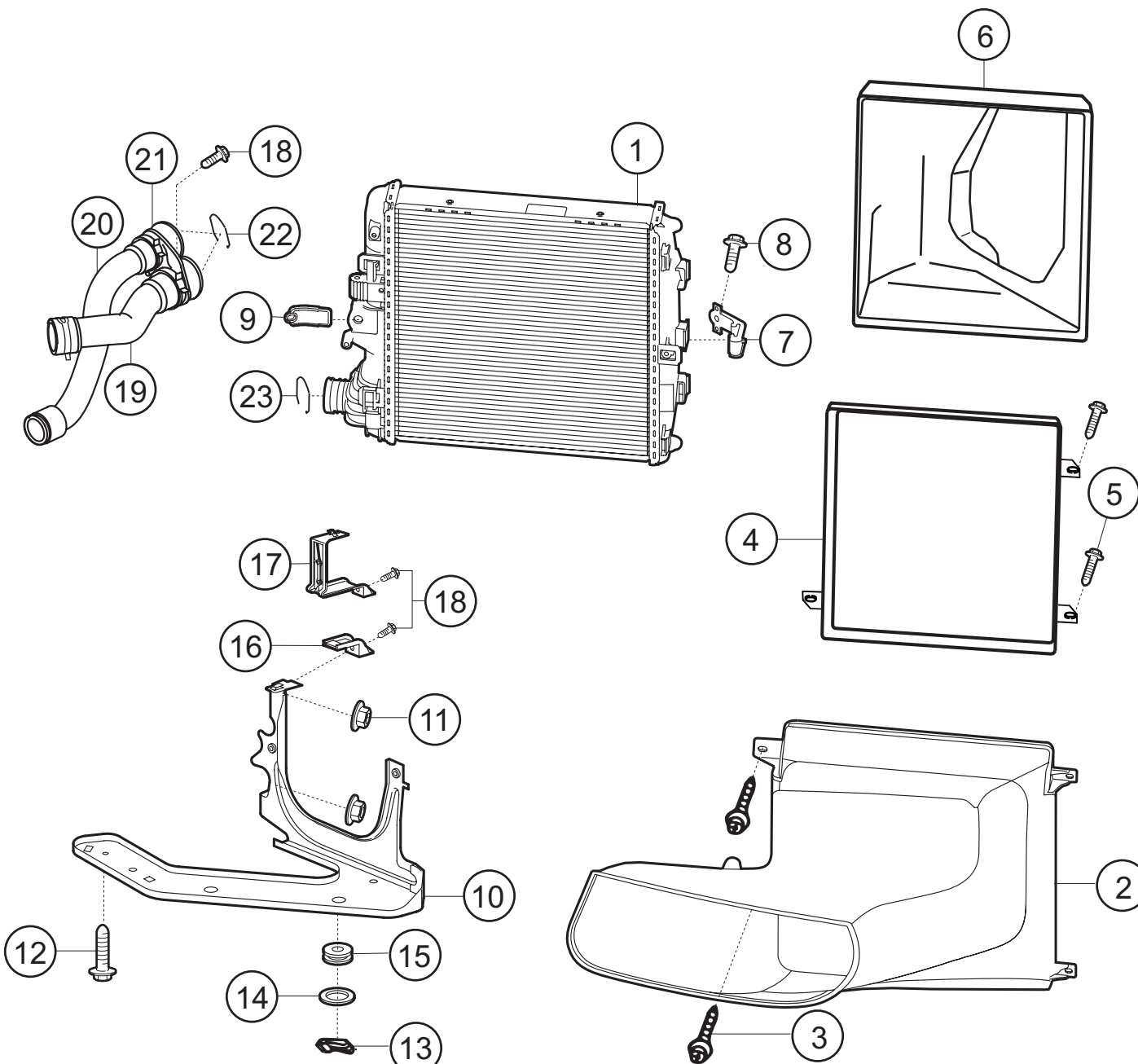
Wasserkreislauf hinten / rear water-circuit



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Vorlaufrohr rechts <i>supply tube right</i>	1	997.106.610.31
2	Halter Wasserrohr <i>bracket water tube</i>	5	996.106.417.73
3	Rücklaufrohr links <i>return tube left</i>	R 1	997.106.069.90
4	Halter Wasserrohr <i>bracket water tube</i>	1	997.106.429.01
5	Halter Wasserrohr <i>bracket water tube</i>	1	997.106.428.01
6	Rastfeder SCB 42 <i>stop spring SCB 42</i>	4	997.106.802.03
7	Entlüftungsleitung <i>ventilation tube</i>	R 1	997.106.682.93
8	Halter Entlüftungsleitung <i>bracket ventilation tube</i>	1	999.507.743.40
9	Halter Entlüftungsleitung <i>bracket ventilation tube</i>	2	997.106.512.03
10	Halter Entlüftungsleitung <i>bracket ventilation tube</i>	R 1	999.651.324.02



## Wasserkühler seitlich / side-mounted radiators

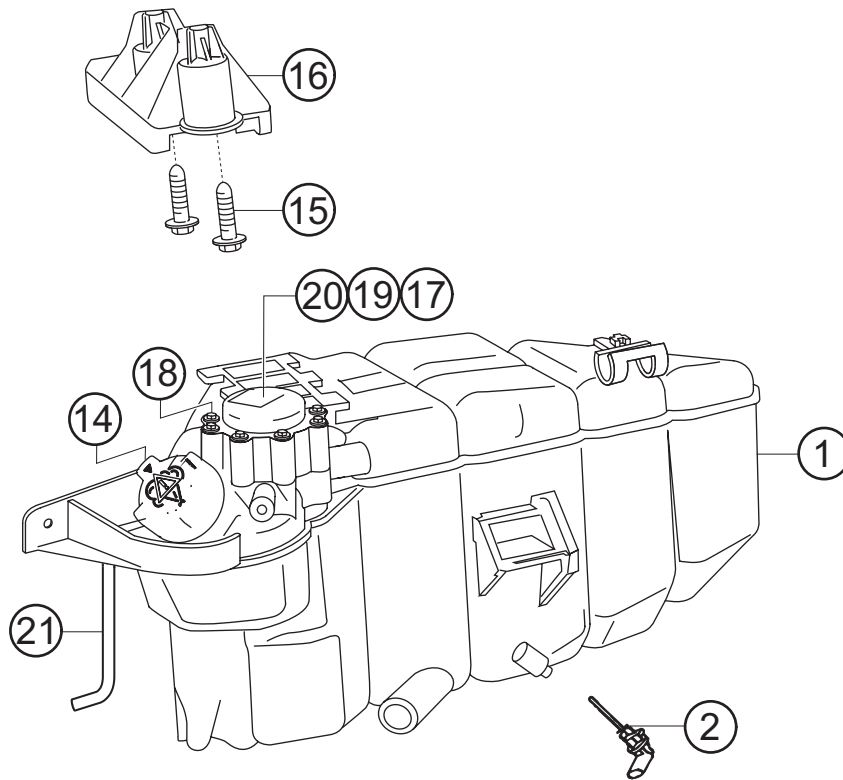


Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Wasserkühler links <i>radiator left</i>	1	997.106.131.02
	Wasserkühler rechts <i>radiator right</i>	1	997.106.132.02
2	Lufführung links <i>airduct left</i>	R 1	997.575.221.90
	Lufführung rechts <i>airduct right</i>	R 1	997.575.222.90
3	LI-SHR M6x16 <i>oval head screw M6x16</i>	3	999.919.134.09
4	Rahmen links <i>frame left</i>	R 1	997.106.135.90
	Rahmen rechts <i>frame right</i>	R 1	997.106.136.90
5	6KT-SHR M6X16 <i>hex screw M6X16</i>	2	999.919.125.09
6	Lufführung links <i>air guide left</i>	R 1	997.575.341.90
	Lufführung rechts <i>air guide right</i>	R 1	997.575.342.90
7	Halter aussen <i>bracket outside</i>	1	997.106.232.01
8	TORX-SHR M6X16 <i>torx screw M6X16</i>	1	900.385.009.01
9	Halter innen <i>bracket inside</i>	1	997.106.231.02
10	Konsole links <i>console left</i>	1	997.106.155.01
	Konsole rechts <i>console right</i>	1	997.106.156.01
11	6KT-MU M8 <i>hex nut M8</i>	2	999.084.447.01
12	6KT-SHR M8X25 <i>hex screw MX25</i>	1	999.072.048.01
13	Sicherungsklammer <i>securing clamp</i>	2	999.166.083.09
14	Unterlegscheibe <i>plain washer</i>	2	999.025.255.01
15	Gummilager <i>rubber bearing</i>	1	999.703.494.40
16	Halter links <i>bracket left</i>	1	997.106.455.00
17	Halter rechts <i>bracket right</i>	1	997.106.456.00
18	Torxschraube M6X16 <i>torx screw M6X16</i>	3	900.385.009.01
19	Vorlaufschlauch links <i>supply hose left</i>	1	997.106.621.05





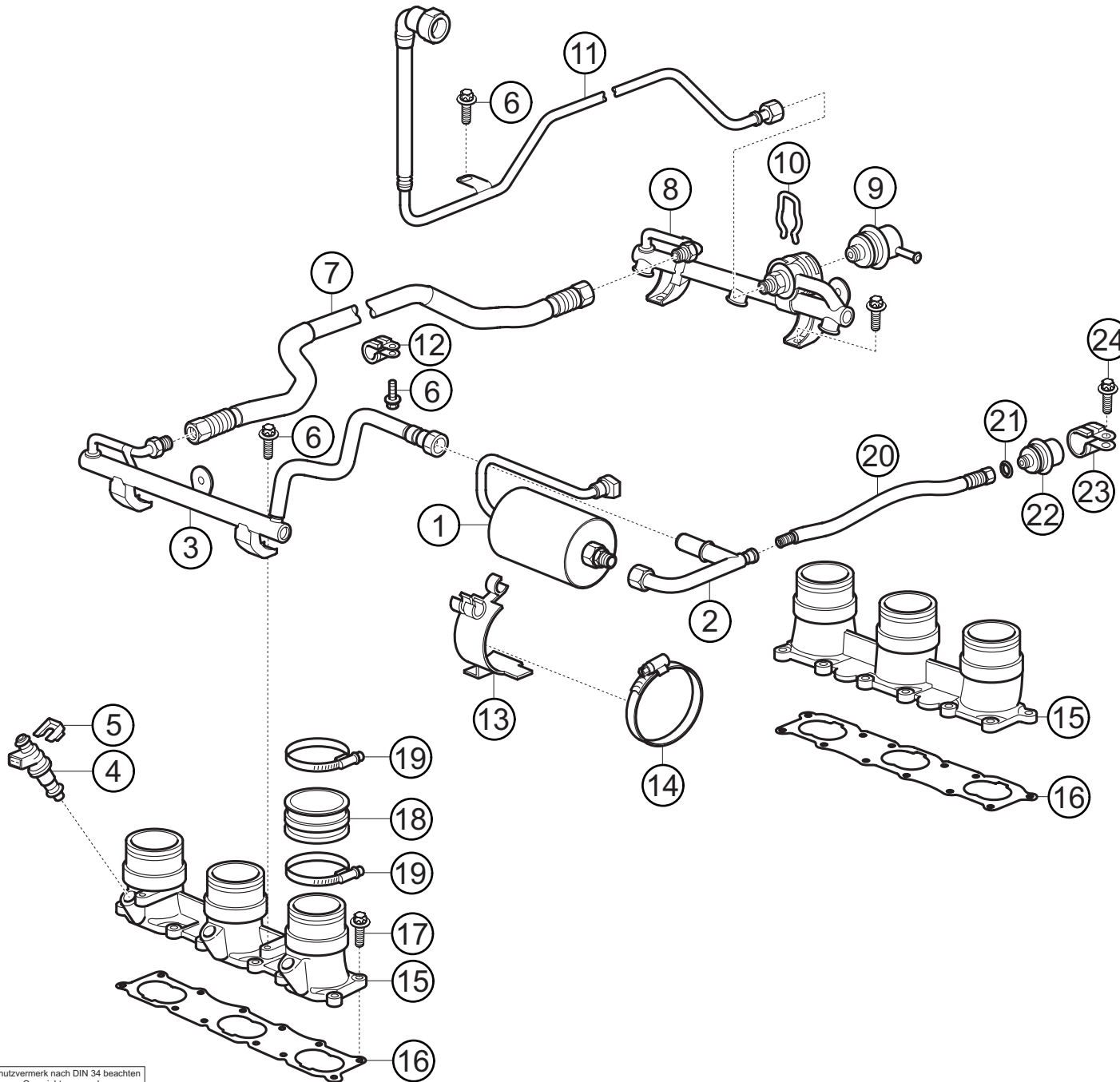
## Wasserausgleichsbehälter / water expansion tank



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Wasserbehälter (P.1+2+14+18-21) <i>water tank (Pos.1+2+14+18-21)</i>	R 1	996.106.057.03
2	Kühlwasserstandsschalter <i>cooling water level switch</i>	1	s.Kap./chap. 9
3	SHL-SHE 16-25/9 <i>hose clamp 16-25/9</i>	1	999.512.676.00
4	Verbindungsschlauch <i>connecting hose</i>	R 1	996.106.691.9C
5	1-O-Klemme 17-19,8 <i>clamping collar</i>	5	999.512.463.00
6	Entlüftungsrohr + Schlauchstück <i>ventilation tube + protect.hose</i>	R 1	996.106.183.9C
7	Schlauchstück <i>water hose</i>	R 1	996.106.689.9B
8	Halter Entlüftungskupplung <i>holder for ventilation coupling</i>	R 1	997.106.385.91
9	6KT-MU M6 <i>hex nut M6</i>	1	900.377.010.01
10	KOMBI-SHR M6X16 <i>hex-screw M6X16</i>	1	900.075.355.02
11	Stecker f. Entlüftungskupplung <i>plug for ventilation coupling</i>	R 1	997.106.885.9A
12	Entlüftungskupplung <i>ventilation coupling</i>	R 1	997.106.886.9A
13	Verbindungsschlauch <i>connecting hose</i>	R 1	997.106.687.91
14	Verschlussdeckel <i>closing cap</i>	1	996.106.447.03
15	6KT-SHR M6X35 <i>hex screw M6X35</i>	R 2	900.378.141.01
16	Halter Kühlmittelbehälter <i>holder for water tank</i>	1	996.106.405.52
17	Entlüftungsventil <i>ventilation valve</i>	1	996.106.347.02
18	6KT-SHR 5,0X40-H <i>hex screw 5,0X40-H</i>	8	999.919.058.01
19	O-Ring 47X4 <i>o-ring 47X4</i>	1	999.707.370.40
20	O-Ring 17X4 <i>o-ring 17X4</i>	1	999.707.371.40
21	Überlaufschlauch <i>overflow hose</i>	1	996.106.297.05

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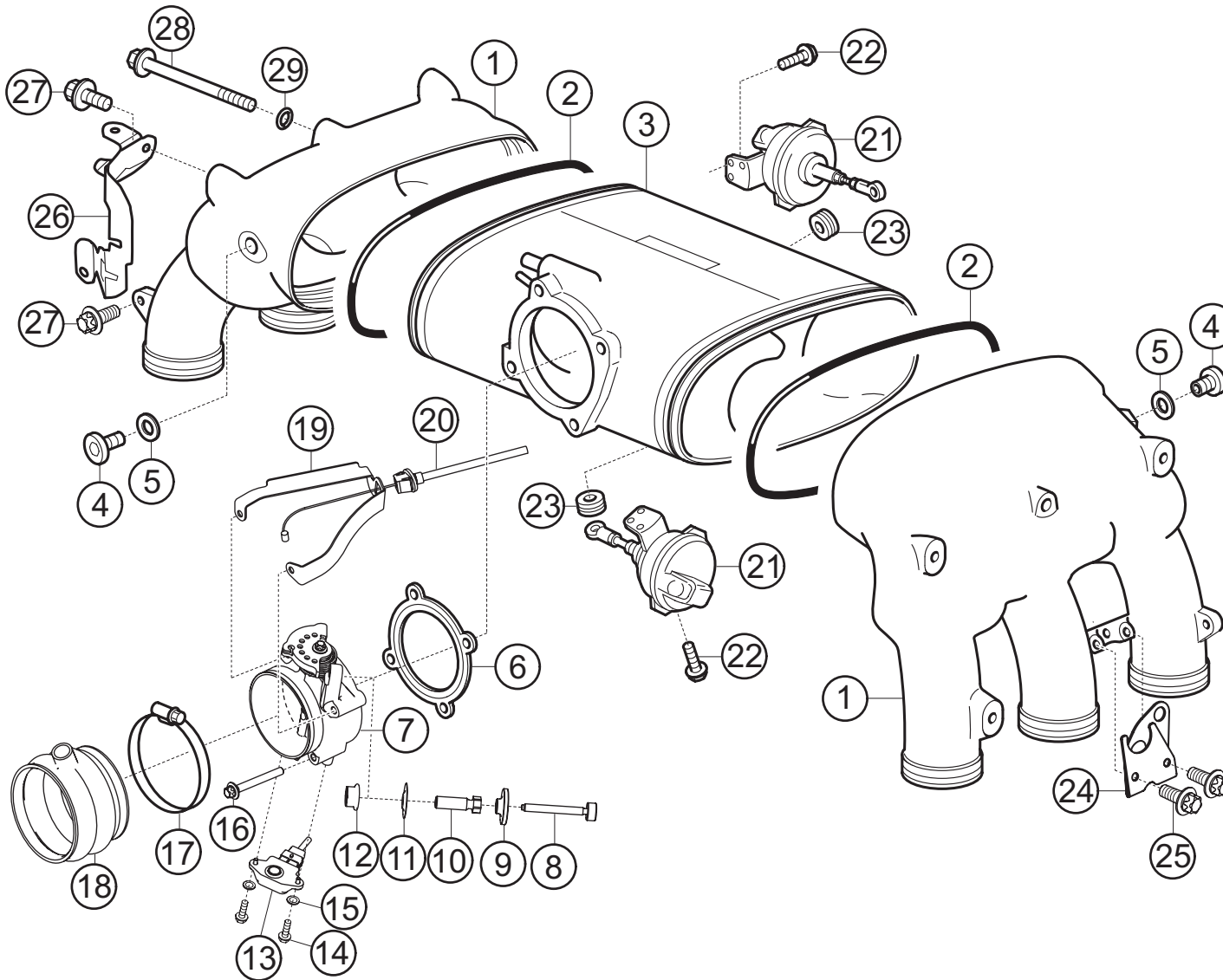
Kraftstoffgalerie + Ansaugstutzen / fuel distribution system + intake necks



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kraftstofffilter fuel filter	1	996.110.253.52
2	Kraftstoffzulauf mit Ventil fuel-supply line with valve	R 1	997.110.065.91
3	Kraftstoffsammelrohr links fuel collector-pipe left	1	997.110.307.91
4	Einspritzventil injection valve EV 6C	6	997.605.132.90
5	Sicherungsklemme lock clamp	6	996.110.113.53
6	6RD-SHR M6x12 torx screw M6x12	6	900.385.041.01
7	Kraftstoffschlauch fuel hose	1	997.110.309.90
8	Kraftstoffsammelrohr rechts fuel collector-pipe right	1	997.110.308.90
9	Druckregler pressure regulator	1	997.110.199.70
10	Haltespange für Druckregler securing clip	1	993.110.196.00
11	Kraftstoffrückleitung fuel return-line	R 1	997.110.324.91
12	Halteschelle 20x15 clamp 20x15	1	999.511.177.01
13	Halter bracket	1	997.110.257.03
14	HALT-SHE 60-80/13 clamp 60-80/13	1	999.512.390.00
15	Saugrohrstutzen links u. rechts intake neck left and right	R 2	997.110.101.90
16	Dichtung links und rechts gasket left and right	R 2	997.110.103.90
17	6RD-SHR M6x16 torx screw M6x16	24	900.385.009.01
18	Gummimuffe rubber sleeve	6	996.110.687.90
19	Schlauchschele 50-70/9 clamp 50-70/9	12	999.512.349.02
20	Druckleitung Kraftstoff pressure line for fuel	R 1	997.606.031.91
21	Dichtring A10X16 sealing ring A10X16	1	900.123.066.30
22	Drucksensor pressure pick-up	1	Kap.9 / chap.9
23	HALT-SHE 15x15 clamp 15x15	1	999.511.155.02
24	6RD-SHR M6x12 torx screw M6x12	1	900.385.041.01



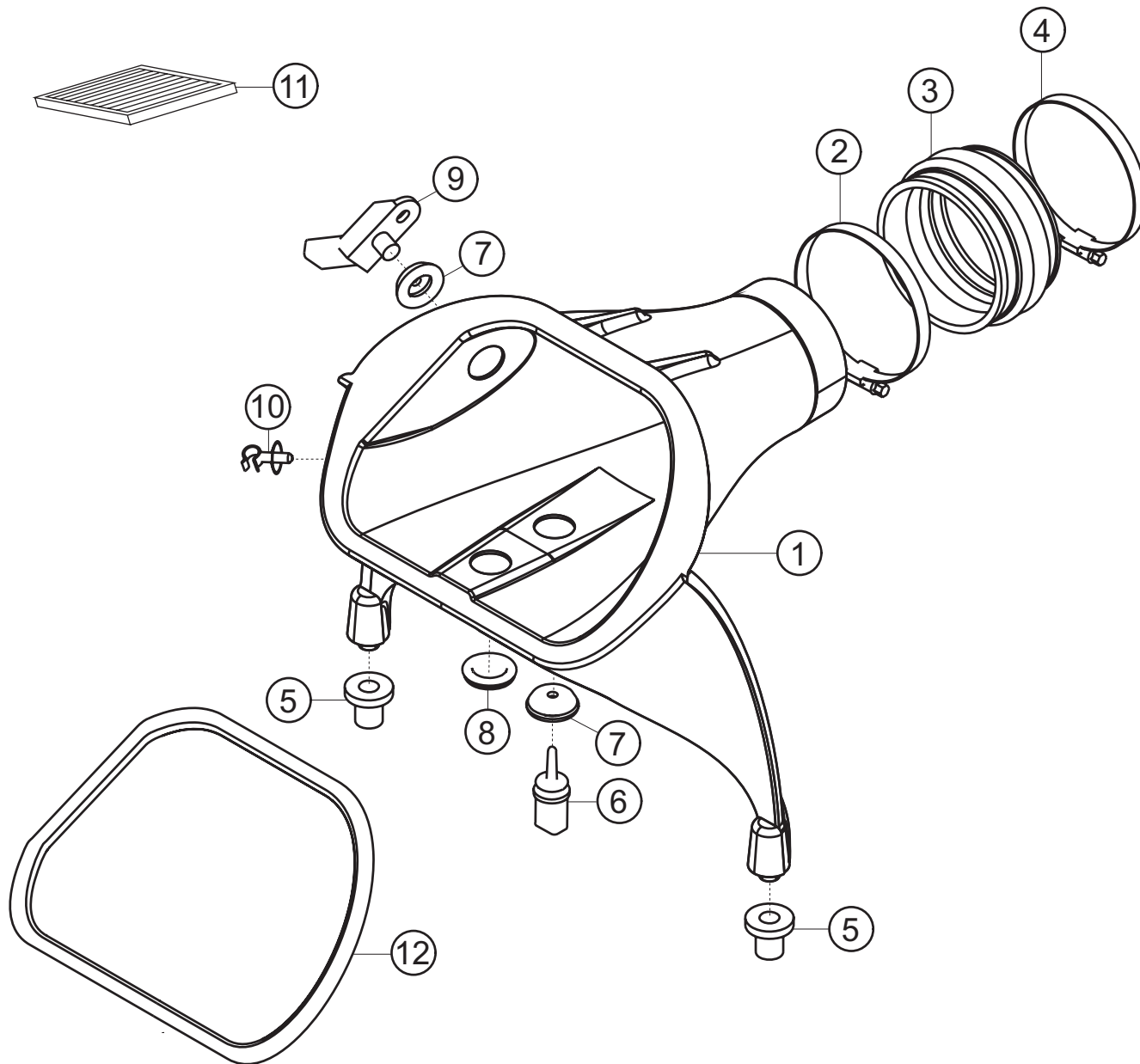
Ansauganlage / induction system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Ansaugverteiler links/rechts <i>induction-manifold left/right</i>	2	997.110.619.90
2	O-RING 180X3,0 <i>o-ring 180X3,0</i>	2	900.331.056.40
3	Verteilerrohr <i>distributor tube</i>	1	997.110.116.90
4	Verschlußschraube M16X1,5 <i>screw plug M16X1,5</i>	2	900.219.004.01
5	Dichtring A16X20 <i>sealing ring A16X20</i>	2	900.123.131.30
6	Dichtung Drosselklappenstutzen <i>gasket for throttle blade housing</i>	1	997.110.319.90
7	Drosselklappenstutzen <i>throttle blade housing</i>	R 1	997.110.039.92
8	Einstellschraube <i>adjusting screw</i>	R 1	997.110.313.90
9	Einstellmutter <i>adjusting nut</i>	R 1	997.110.553.90
10	Einstellbolzen <i>adjusting bolt</i>	R 1	997.110.551.90
11	Federscheibe <i>spring disk</i>	R 1	900.234.109.02
12	6KT-MU M8 <i>hex nut M8</i>	1	900.817.002.02
13	Drosselklappengeber <i>throttle sensor</i>	1	996.606.116.00
14	6KT-SHR M4X12 <i>hex screw M4X12</i>	2	900.075.100.02
15	Scheibe 4 <i>plain washer 4</i>	2	900.025.002.02
16	6RD-SHR M6X50 <i>torx screw M6X50</i>	4	900.385.070.01
17	Schlauchschelle 90-110/9 <i>hose clamp 90-110/9</i>	1	999.512.539.01
18	Gummimuffe <i>rubber sleeve</i>	1	997.110.621.90
19	Gaszugwiderlager <i>throttle cable abutment</i>	R 1	997.110.377.90
20	Gaszug <i>throttle control cable</i>	R 1	997.423.229.90
21	Unterdruckdose <i>vacuum cell</i>	2	993.110.462.02
22	FL-KPF-SHR M5X16 <i>oval head screw M5X16</i>	4	999.146.007.01
23	Wellendichtring 8X16X7 <i>shaft sealing ring</i>	2	999.113.477.40
24	Halter <i>bracket</i>	R 1	997.110.628.90



Reinluftschale / clean-air cup

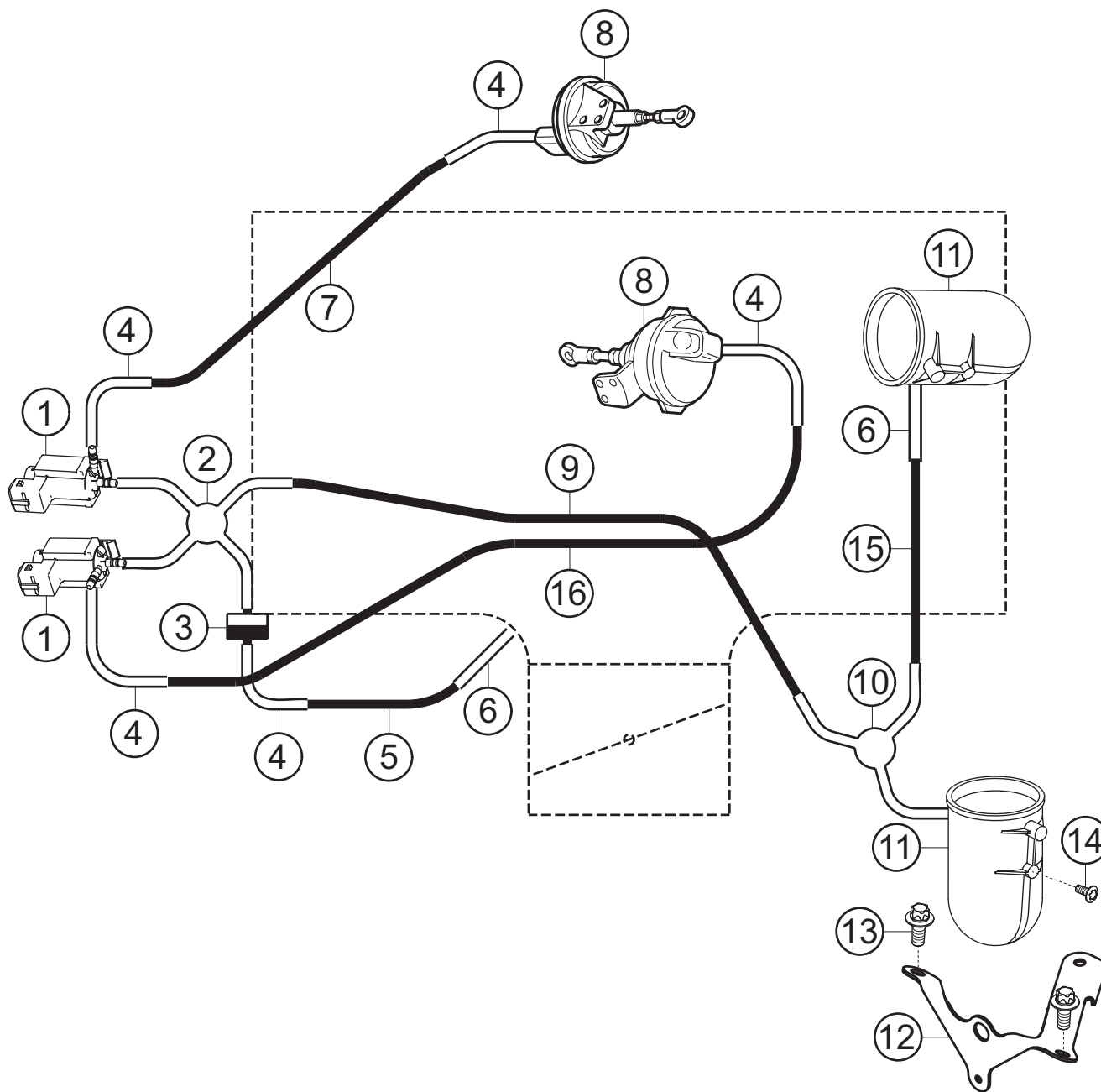


Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Reinluftschale + Dichtung <i>clean-air cup + gasket</i>	R 1	997.110.053.96
2	SHL-SHE 90-110/9 <i>hose clamp 90-110/9</i>	1	999.512.539.01
3	Gummimuffe <i>rubber sleeve</i>	1	997.110.621.90
4	SHL-SHE 90-110/9 <i>hose clamp 90-110/9</i>	1	999.512.539.01
5	Gummibüchse <i>rubber bush</i>	2	999.703.267.40
6	Temperatursensor <i>temperature sensor</i>	1	Kap.9 / chap.9
7	Gummitülle <i>rubber grommet</i>	2	996.110.530.90
8	Gummitülle <i>rubber grommet</i>	1	999.702.126.50
9	Drucksensor <i>pressure sensor</i>	1	Kap.9 / chap.9
10	Kombihalter 9,0 <i>bracket 9,0</i>	1	999.507.975.40
11	Luftfilter <i>air filter</i>	R 1	997.110.131.90
12	Dichtung Reinluftschale <i>gasket for clean-air cup</i>	R 1	997.511.611.93

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Unterdruckleitungen / *vacuum lines*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Umschaltventil <i>change over valve</i>	2	996.605.123.01
2	Verteiler 4-fach <i>distributor</i>	R 1	928.573.729.05
3	Rückschlagventil <i>non-return valve</i>	1	964.110.950.01
4	Schlauchbogen <i>hose bow</i>	5	928.574.717.05
5	Rohr 4x1x110 <i>tube 4x1x110</i>	R 1	900.918.109.40
6	Schlauch gerade <i>hose straight</i>	2	999.239.040.40
7	Rohr 4x1x360 <i>tube 4x1x360</i>	R n.B.	900.918.048.40
8	Unterdruckdose <i>vacuum cell</i>	2	993.110.462.02
9	Rohr 4x1x360 <i>tube 4x1x360</i>	R n.B.	900.918.048.40
10	Verteiler 3-fach <i>distributor</i>	R 1	928.573.727.05
11	Unterdruckbehälter <i>vacuum tank</i>	2	993.110.140.03
12	Halteblech Unterdruckbehälter <i>retaining panel for vacuum tank</i>	R 1	997.110.628.92
13	6RD-SHR M8X12 <i>torx screw M8X12</i>	2	900.385.099.01
14	LI-SHR 5,0X22 <i>oval head screw 5,0X22</i>	2	999.919.115.02
15	Rohr 4x1x230 <i>tube 4x1x230</i>	R n.B.	900.918.048.40
16	Rohr 4x1x335 <i>tube 4x1x335</i>	R n.B.	900.918.048.40
o.B.	Schutzschlauch <i>protection hose</i>	4	928.574.717.05

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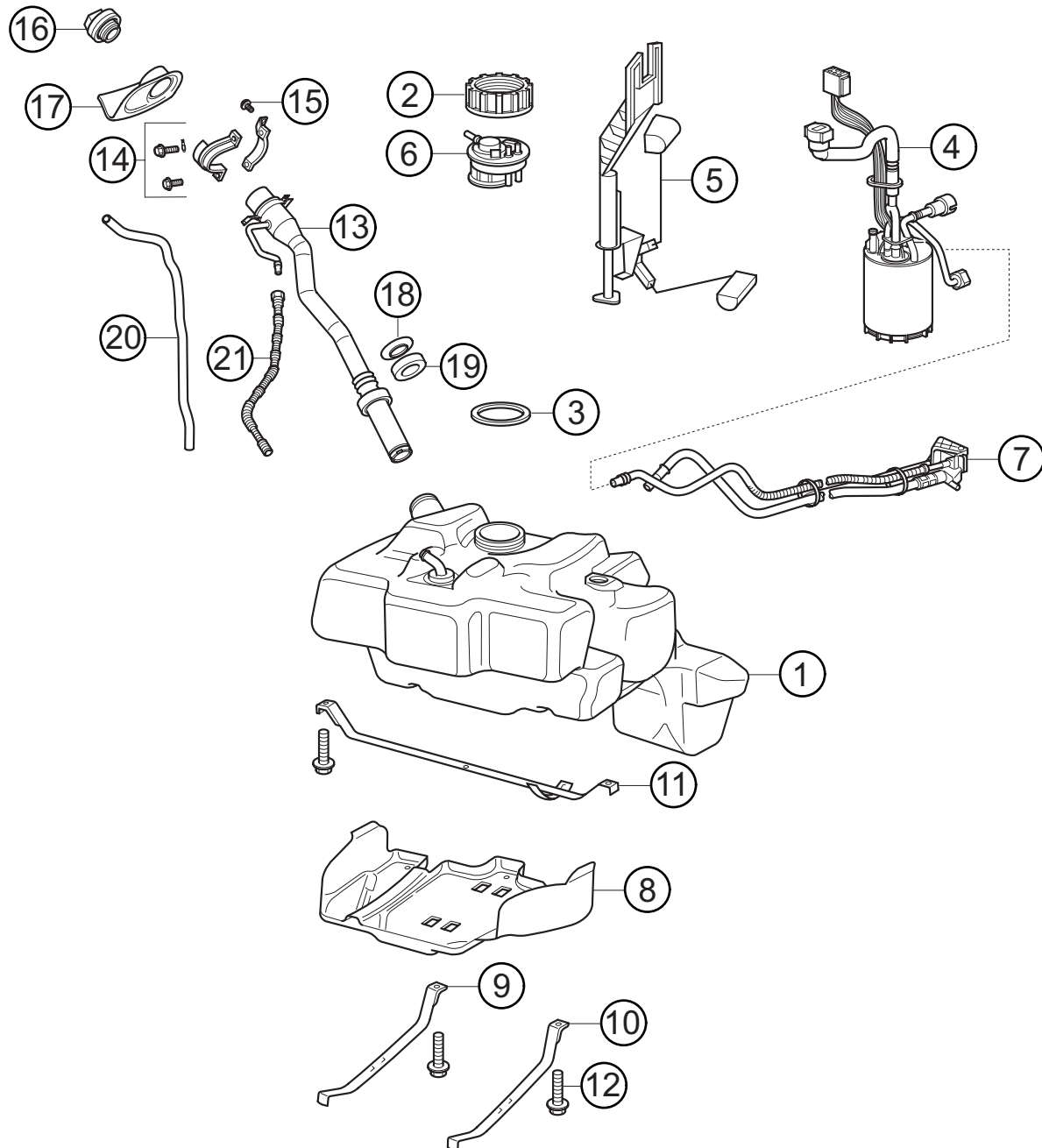


Tank und Abgasanlage / Fuel and exhaust system

- Kraftstofftank / *fuel tank*
- Kraftstoffleitungen vorne / *fuel pipes front*
- Kraftstoffleitungen hinten + Filter / *fuel pipes rear + filter*
- Abgasanlage / *exhaust system*
- Abgasanlage mit Vorschalldämpfer / *exhaust system with front muffler*
- Abgasanlage Supercup / *exhaust system Supercup*



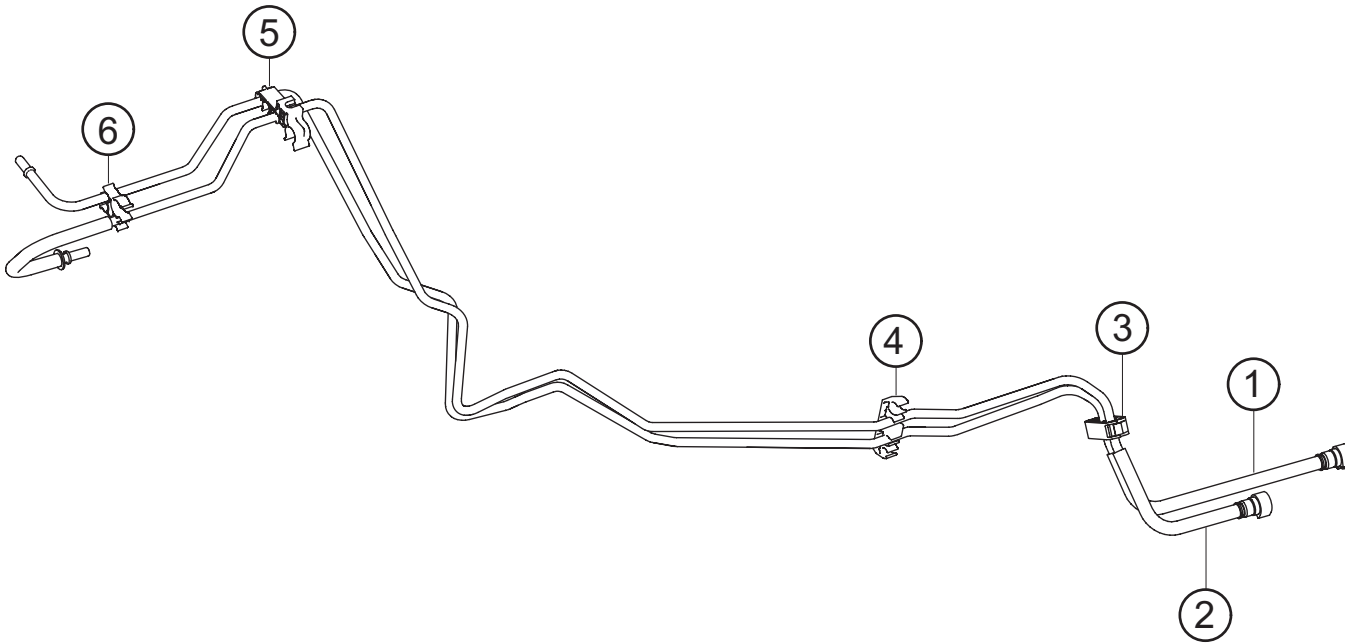
## Kraftstofftank / fuel tank



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kraftstofftank 90L mit Pumpe <i>fuel tank 90l with pump</i>	R 1	997.201.013.90
2	Überwurfmutter <i>union nut</i>	1	997.201.623.00
3	Dichtring <i>sealing ring</i>	1	997.201.733.00
4	Förderpumpe komplett <i>fuel pump assembly</i>	R 1	997.620.029.00
5	Vorratsgeber <i>fuel sender</i>	1	997.620.833.00
6	Flansch für Vorratsgeber <i>flange for fuel sender</i>	1	997.201.421.03
7	Saugstrahlpumpe <i>suction pump</i>	1	997.620.116.00
8	Unterschutz <i>protection part</i>	R 1	997.201.331.90
9	Spannband links <i>clamping band left</i>	1	997.201.105.01
10	Spannband rechts <i>clamping band right</i>	1	997.201.106.01
11	Spannband <i>clamping band</i>	1	997.201.107.00
12	KOMBI-SHR M8x40 <i>screw+washer M8x40</i>	4	900.075.479.01
13	Einfüllstutzen <i>filler neck</i>	1	997.201.043.10
14	Halter komplett <i>bracket assembly</i>	1	997.201.951.02
15	LINSEN-SHR M6X20 <i>oval head screw M6X20</i>	1	999.073.348.09
16	Tankverschluß <i>tank cap</i>	1	996.201.241.03
17	Stulpe <i>rubber boot</i>	1	997.201.667.00
18	Stützscheibe <i>support disk</i>	1	996.201.755.00
19	Dichtung <i>sealing</i>	1	996.201.753.00
20	Ablaufschlauch <i>drain hose</i>	1	996.201.153.00
21	Entlüftungsschlauch <i>ventilation hose</i>	1	997.201.711.90
o.B.	Kantenschutz <i>edge protector</i>	R 1	999.911.641.40



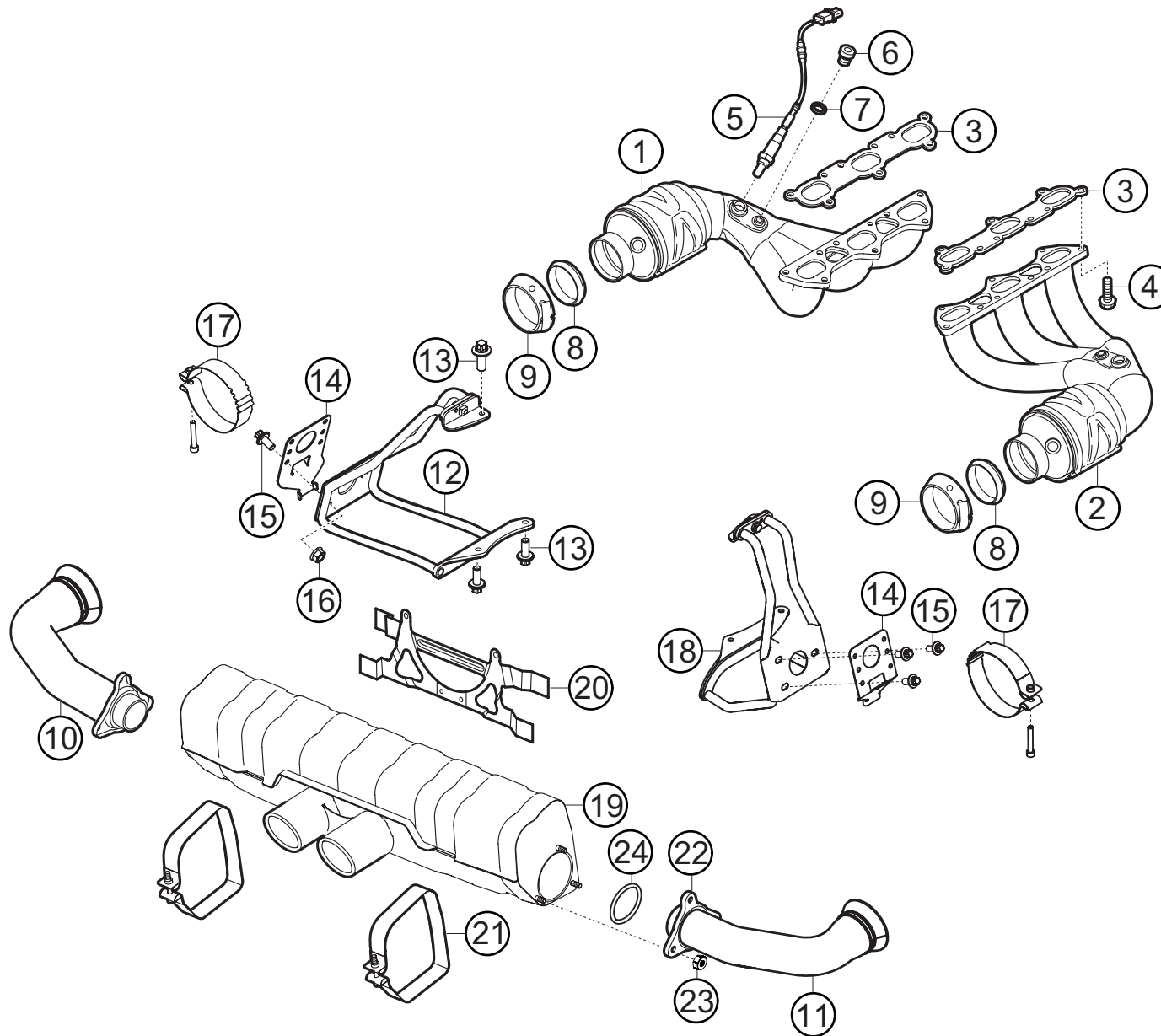
### Kraftstoffleitungen hinten + Filter / fuel pipes rear + filter



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Vorlaufleitung hinten <i>supply line rear</i>	1	997.201.265.01
2	Rücklaufleitung hinten <i>return line rear</i>	1	997.201.275.00
3	Leitungshalter 8.0/8/10 <i>line support 8.0/8/10</i>	1	999.507.521.40
4	Leitungshalter 8.0-10 <i>line support 8.0-10</i>	R 1	999.507.740.40
5	Leitungshalter 15-8-10-8 <i>line support 15-8-10-8</i>	1	999.507.833.40
6	Leitungshalter 8.0-15 <i>line support 8.0-15</i>	1	999.507.850.40

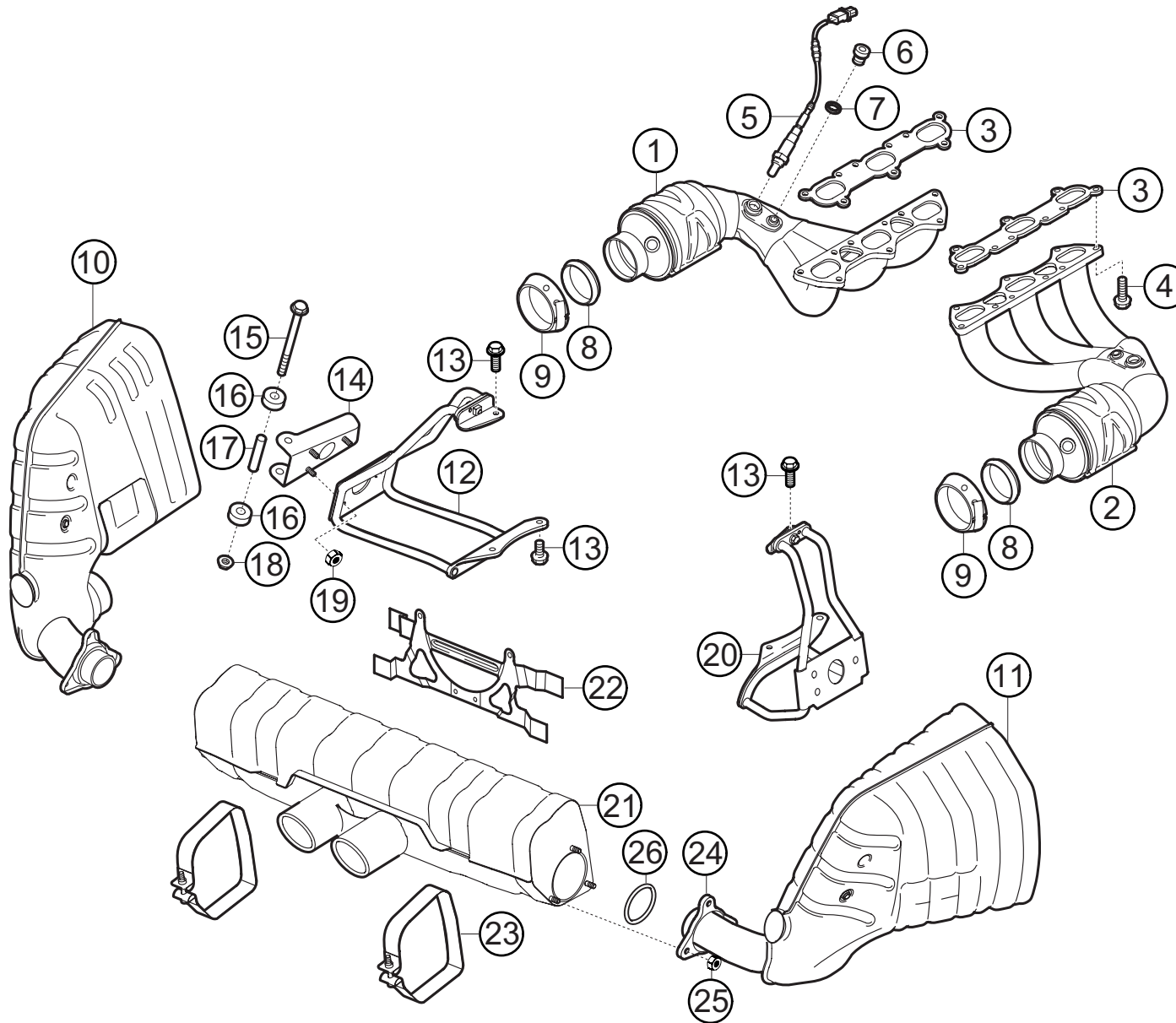
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Abgasanlage / exhaust system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Abgaskrümmmer + Kat. li. Zyl.1-3 <i>exhaust manifold + cat. left</i>	R 1	997.113.021.95
2	Abgaskrümmmer + Kat. re. Zyl. 4-6 <i>exhaust manifold + cat. right</i>	R 1	997.113.022.95
3	Krümmerdichtung <i>gasket for exhaust manifold</i>	2	996.111.107.71
4	6KT-SHR M8X28 <i>hex screw M8X28</i>	18	900.378.131.00
5	Lambdasonde <i>lambda probe</i>	2	s. Kap./chap. 9
6	6KT-SHR M8X10 <i>hex screw M8X10</i>	2	900.083.080.00
7	Dichtring 8X11,5 <i>sealing ring 8X11,5</i>	2	900.123.050.20
8	Dichtring <i>sealing ring</i>	2	980.111.561.00
9	Schelle <i>clamp</i>	2	997.111.336.90
10	Adapterrohr links <i>adapter tube left</i>	R 1	997.111.301.90
11	Adapterrohr rechts <i>adapter tube right</i>	R 1	997.111.302.90
12	Halter links <i>bracket left</i>	1	997.111.247.90
13	6RD-SHR M8X20 <i>torx screw M8X20</i>	6	900.385.001.01
14	Halter <i>retainer</i>	2	997.111.547.90
15	6RD-SHR M8X16 <i>torx screw M8X16</i>	6	900.385.044.01
16	6KT-MU M8 <i>hex nut M8</i>	6	900.377.003.01
17	Spannband komplett <i>retaining clamp</i>	2	997.113.231.90
18	Halter rechts <i>bracket right</i>	1	997.111.248.90
19	Schalldämpfer + Spannband <i>muffler + clamping band</i>	R 1	997.111.027.94
20	Halter Schalldämpfer <i>support for muffler</i>	1	996.111.024.71
21	Spannband <i>clamping band</i>	2	997.111.119.70
22	Flansch <i>flange</i>	2	997.111.463.90
23	6KT-MU M8 <i>hex nut M8</i>	6	999.084.649.01
24	Dichtring <i>sealing ring</i>	2	997.111.563.90

Abgasanlage mit Vorschalldämpfer / exhaust system with front muffler



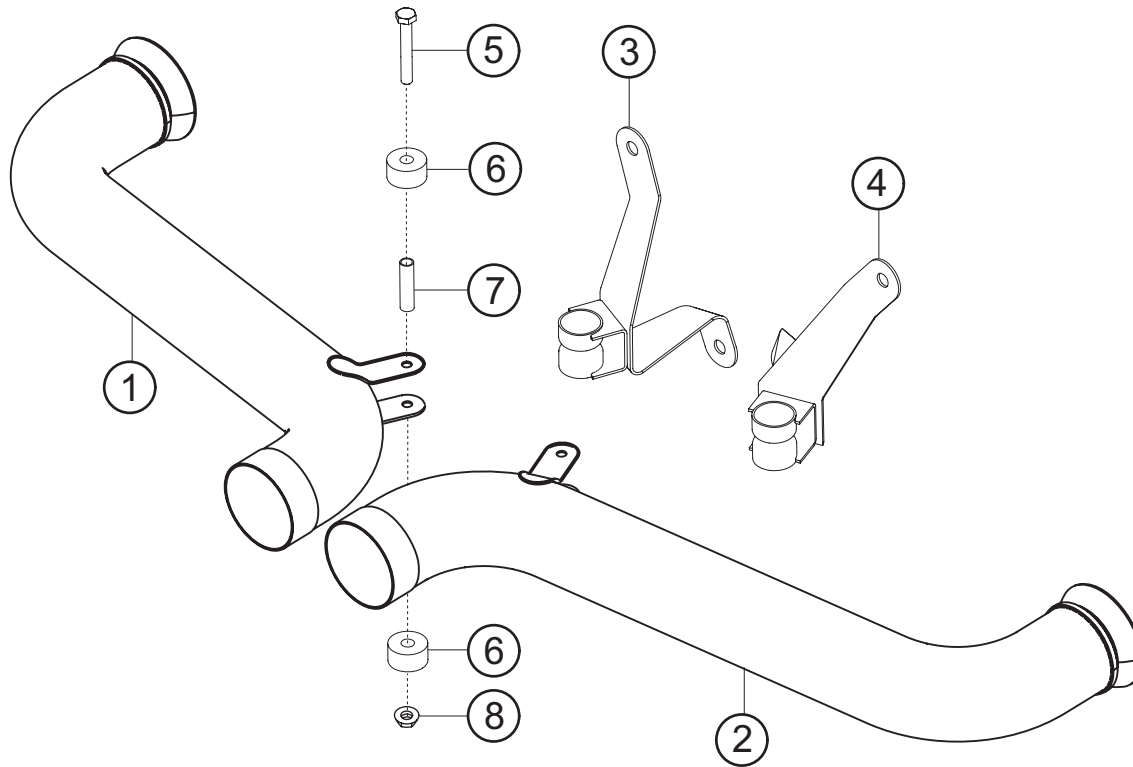
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Abgaskrümmer + Kat. li. Zyl.1-3 <i>exhaust manifold + cat. left</i>	R 1	997.113.021.95
2	Abgaskrümmer + Kat. re. Zyl. 4-6 <i>exhaust manifold + cat. right</i>	R 1	997.113.022.95
3	Krümmerdichtung <i>gasket for exhaust manifold</i>	2	996.111.107.71
4	6KT-SHR M8X28 <i>hex screw M8X28</i>	18	900.378.131.00
5	Lambdasonde <i>lambda probe</i>	2	s. Kap./chap. 9
6	6KT-SHR M8X10 <i>hex screw M8X10</i>	2	900.083.080.00
7	Dichtring 8X11,5 <i>sealing ring 8X11,5</i>	2	900.123.050.20
8	Dichtring <i>sealing ring</i>	2	980.111.561.00
9	Schelle <i>clamp</i>	2	997.111.336.90
10	Vorschalldämpfer Zyl.1-3 <i>front muffler cyl.1-3</i>	R 1	997.111.047.91
11	Vorschalldämpfer Zyl.4-6 <i>front muffler cyl.4-6</i>	R 1	997.111.048.91
12	Halter links <i>bracket left</i>	1	997.111.247.90
13	6RD-SHR M8X20 <i>torx screw M8X20</i>	6	900.385.001.01
14	Haltebügel <i>retainer</i>	2	997.111.451.90
15	6RD-SHR M8X90 <i>torx screw M8X90</i>	2	900.385.102.01
16	Dämpfungsstück <i>damping pad</i>	4	996.111.229.00
17	Hülse <i>sleeve</i>	2	997.111.551.90
18	6KT-MU M8 <i>hex nut M8</i>	2	900.377.003.01
19	6KT-MU M8 <i>hex nut M8</i>	6	900.377.003.01
20	Halter rechts <i>bracket right</i>	1	997.111.248.90
21	Schalldämpfer + Spannband <i>muffler + clamping band</i>	R 1	997.111.027.94
22	Halter Schalldämpfer <i>support for muffler</i>	1	996.111.024.71
23	Spannband <i>clamping band</i>	2	997.111.119.70
24	Flansch <i>flange</i>	2	997.111.463.90





## Abgasanlage Supercup / exhaust system Supercup

Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Abgasendrohr Zylinder 1-3 <i>exhaust pipe cylinder 1-3</i>	R 1	997.111.251.91
2	Abgasendrohr Zylinder 4-6 <i>exhaust pipe cylinder 4-6</i>	R 1	997.111.252.91
3	Halter Endrohr links komplett <i>support assembly exh.pipe left</i>	R 1	997.111.181.8E
4	Halter Endrohr rechts komplett <i>support assembly exh.pipe right</i>	R 1	997.111.182.8E
5	6RD-SHR M8X55 <i>torx screw M8X55</i>	2	900.385.036.02
6	Dämpferkissen <i>damper cushion</i>	R 4	997.111.228.8A
7	Hülse <i>sleeve</i>	R 2	997.111.551.8A
8	6KT-MU M8 <i>hex nut M8</i>	2	900.377.003.03



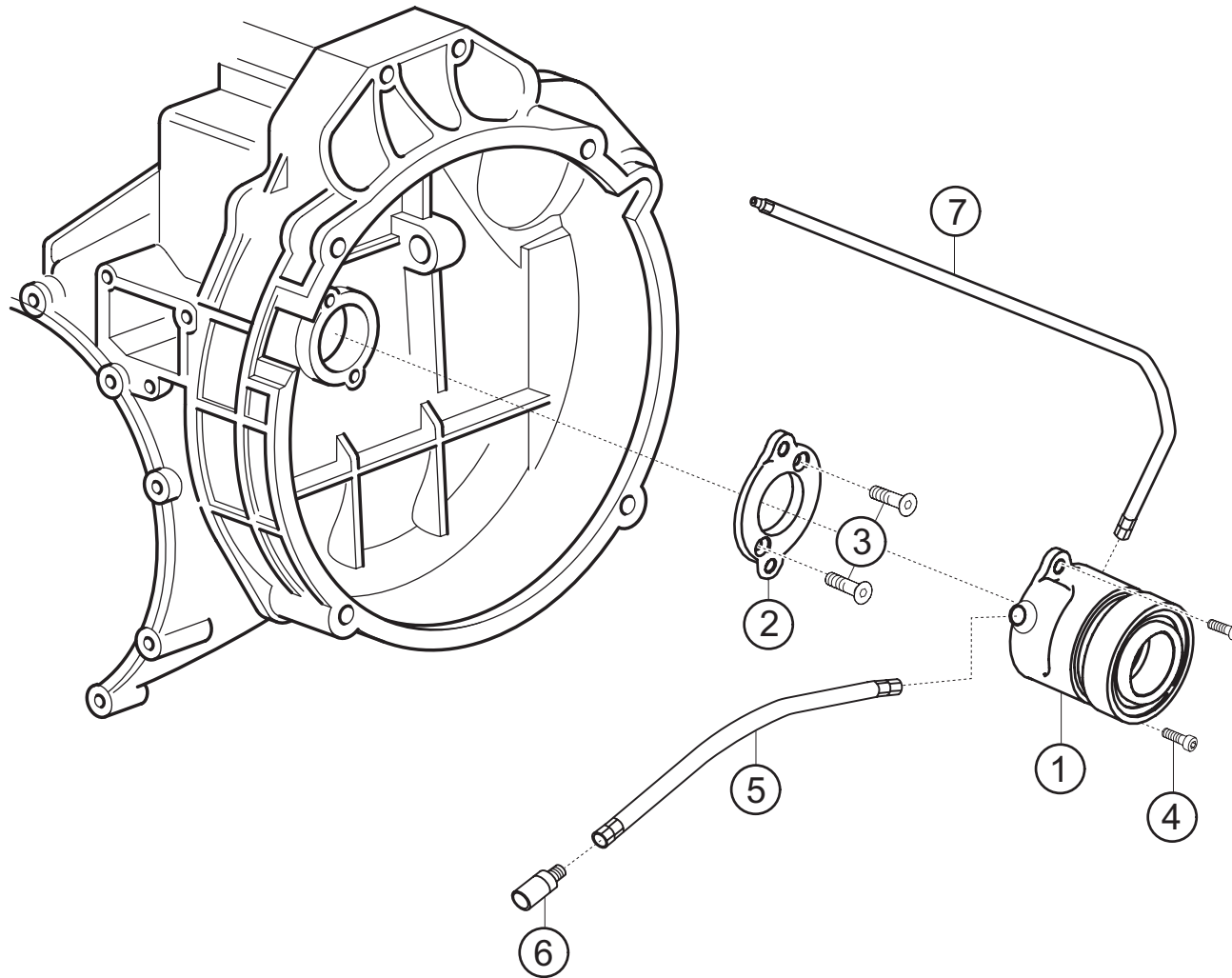
### Getriebe / transmission

- Kupplung / *clutch*
- Kupplungsauslösung / *clutch release*
- Kompletgetriebe / *gearbox complete*
- Ölkühlung / *oil cooling system*
- Getriebegehäuse / *transmission case*
- Rädergehäuse + Getriebedeckel / *gear housing + transmission cover*
- Radsätze / *set of gears*
- Räder und Lager / *gears and bearings*
- Schaltstangen und Gabeln / *shift rods and forks*
- Schaltmechanik sequentiell / *gearshift mechanism sequential*
- Wählhebel + Rückwärtsgangauslösung / *selector lever + reverse-gear release unit*
- Sperrdifferenzial / *limited slip differential*
- Radsatzschmierung / *lubrication for gear*
- Getriebeträger / *gearbox bracket*



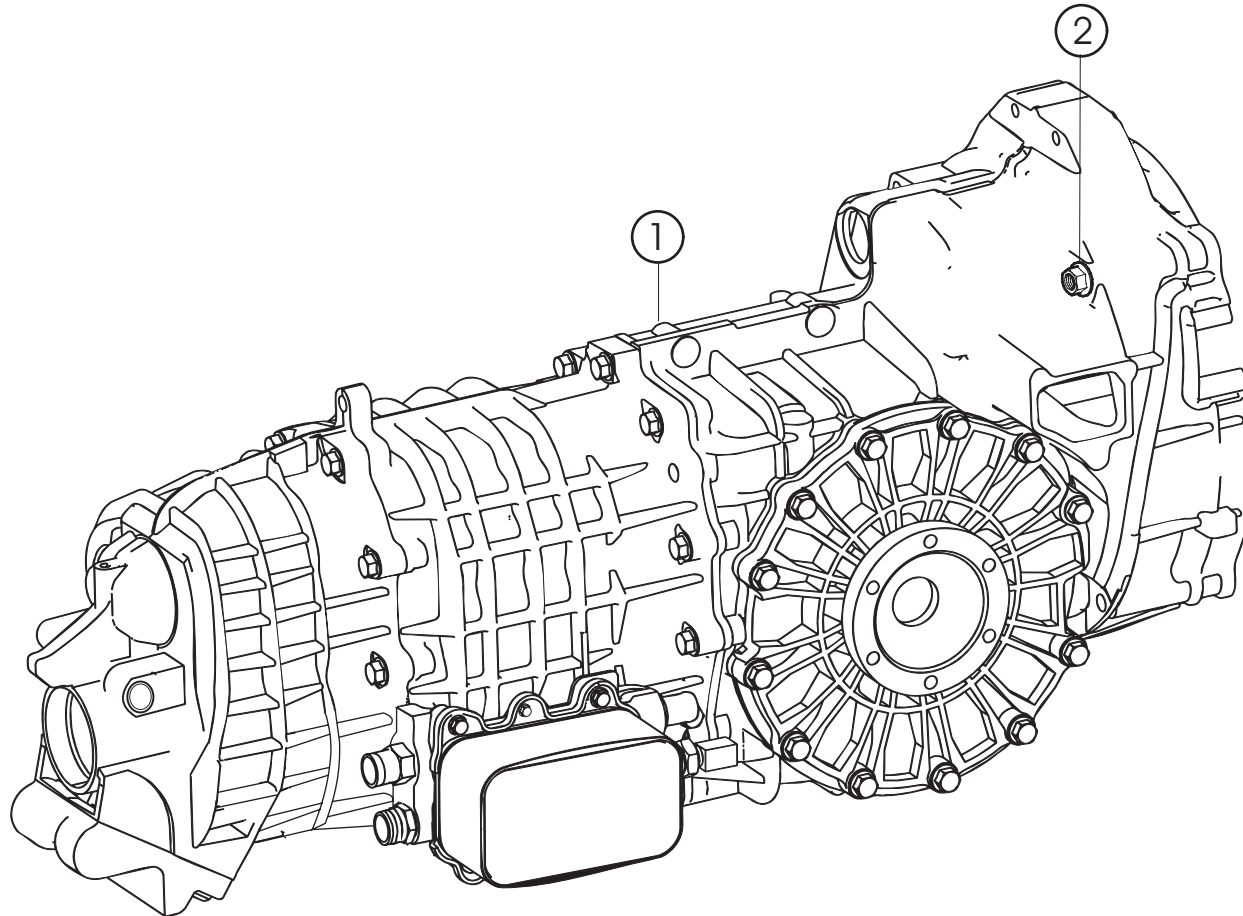


## Kupplungsauslösung / *clutch release*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Zentralausrücker <i>central clutch operator</i>	R 1	997.116.018.90
2	Aufnahmeadapter <i>attachment adapter</i>	R 1	997.116.318.90
3	SENK-SHR M6X12 <i>countersunk screw M6X12</i>	R 2	900.249.050.07
4	ZYL-SHR M6X8 <i>fillister screw M6X8</i>	R 2	900.067.418.01
5	Druckleitung <i>pressure line</i>	R 1	997.423.463.90
6	Kupplung <i>line coupler</i>	R 1	999.230.564.30
7	Entlüftungsleitung <i>ventilation line</i>	R 1	997.423.461.90

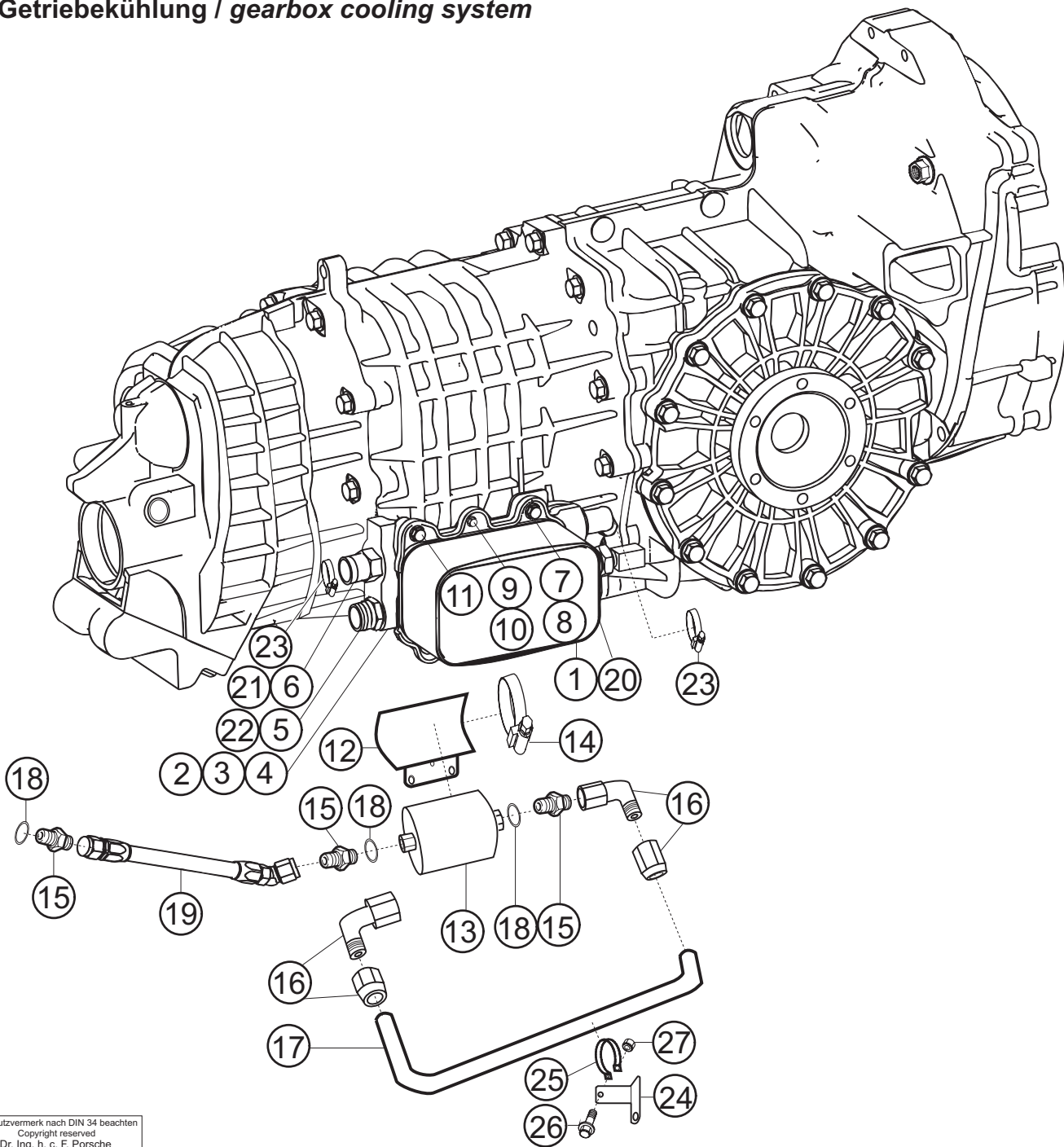
Komplettgetriebe / gearbox assembly



Achtung: Komplettgetriebe ohne Zentralausruecker  
 Attention: assembled gearbox without clutch operator

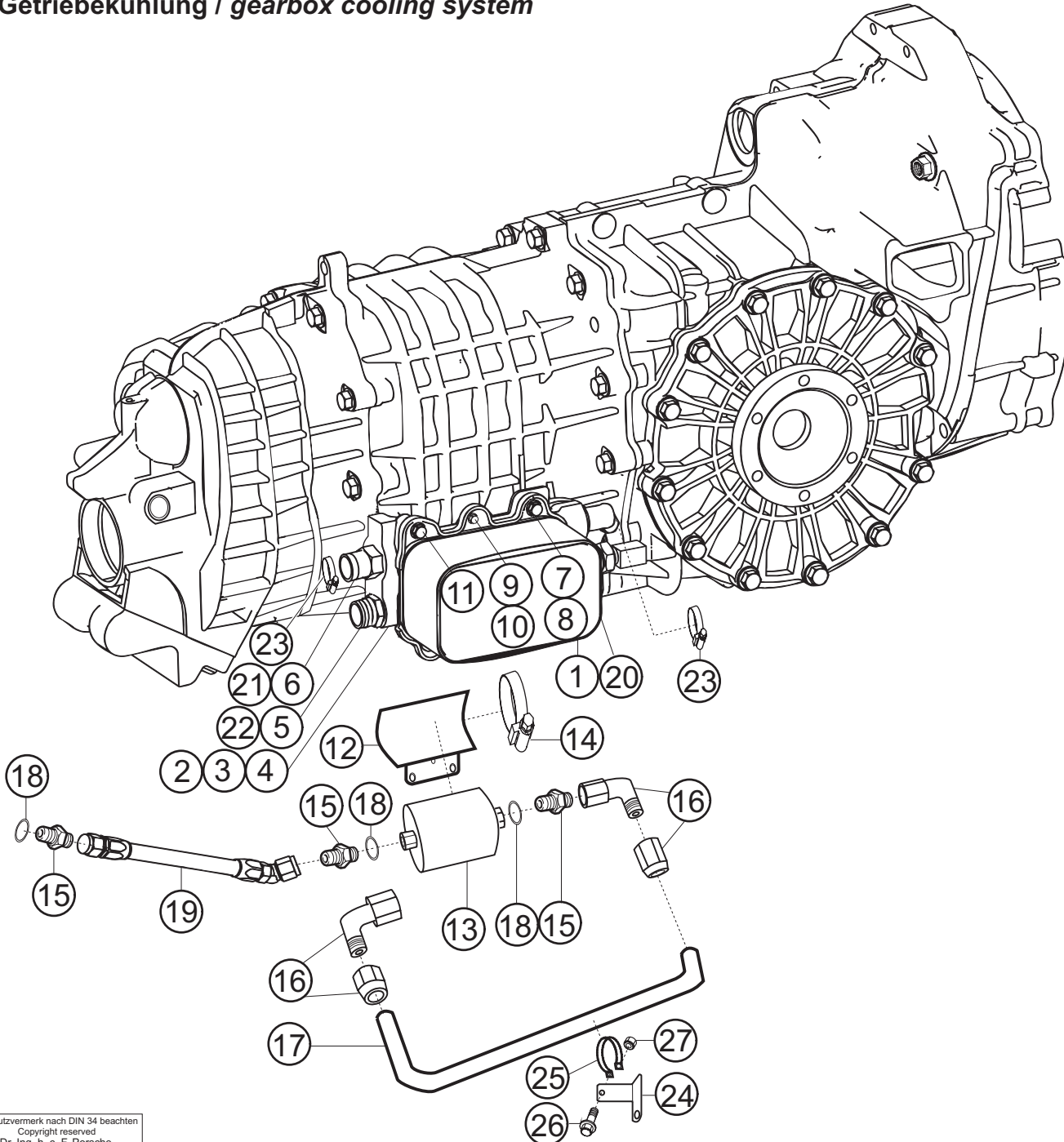
Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Komplettgetriebe G97-63 gearbox assembly G97-63	R 1	997.300.020.65
o.B.	Dichtungssatz Getriebe gearbox sealing set	R 1	996.300.913.90
2	6KT-MU M10 hex nut M10	4	900.377.011.01

Getriebekühlung / gearbox cooling system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Wärmetauscher incl. Konsole <i>heat exchanger incl. console</i>	R 1	996.307.015.9B
o.B.	Wärmetauscher <i>heat exchanger</i>	R 1	996.307.209.88
o.B.	Wärmetauscherkonsole <i>heat exchanger console</i>	R 1	996.307.201.9A
o.B.	Gummidichtring 20,0x3,55 <i>rubber sealing ring 20,0x3,55</i>	4	900.331.021.40
2	Halter Wärmetauscher <i>heat exchanger bracket</i>	1	996.307.141.88
3	FL-KPF-SHR M6X16 <i>pan-head screw M6X16</i>	2	999.073.103.01
4	6KT-SHR M8X20 <i>hex screw M8X20</i>	2	900.378.017.01
5	Stutzen 16X1,5-8D <i>neck 16X1,5-8D</i>	R 1	999.105.034.30
6	Stutzen Wasseranschluß M22 <i>hose neck M22</i>	R 2	996.307.210.8A
7	FL-KPF-SHR M6X30 <i>pan-head screw M6X30</i>	1	999.073.110.09
8	6KT-MU M6 <i>hex nut M6</i>	1	900.377.001.01
9	ZYL-SHR M6X35 <i>fillister screw M6X35</i>	1	900.067.316.02
10	Distanzhülse WT - Filterhalter <i>distance sleeve</i>	R 1	996.307.326.9A
11	FL-KPF-SHR M6X16 <i>pan-head screw M6X16</i>	2	999.073.103.01
12	Halter Ölfilter <i>oil filter support</i>	R 1	996.307.030.9B
13	Ölfilter <i>oil filter</i>	R 1	996.307.324.00
14	SHL-SHE 40-60/9 <i>hose clamp 40-60/9</i>	1	999.512.348.02
15	Stutzen 16X1,5/8 Dash <i>connector 16X1,5/8 Dash</i>	R 3	999.105.034.30
16	Anschlußwinkelstück <i>angle piece</i>	R 2	996.307.334.9B
17	Rohrleitung Öl <i>oil tube</i>	R 1	996.307.335.9B
18	Dichtring A16X22 <i>sealing ring A16X22</i>	3	900.123.152.30
19	Druckölschlauch Dash 8 <i>pressure oil hose</i>	R 1	996.307.333.95
20	ZYL-SHR M6X55 <i>fillister screw M6X55</i>	1	900.186.030.02
21	Dichtring 22X27 <i>sealing ring 22X27</i>	2	900.123.118.30

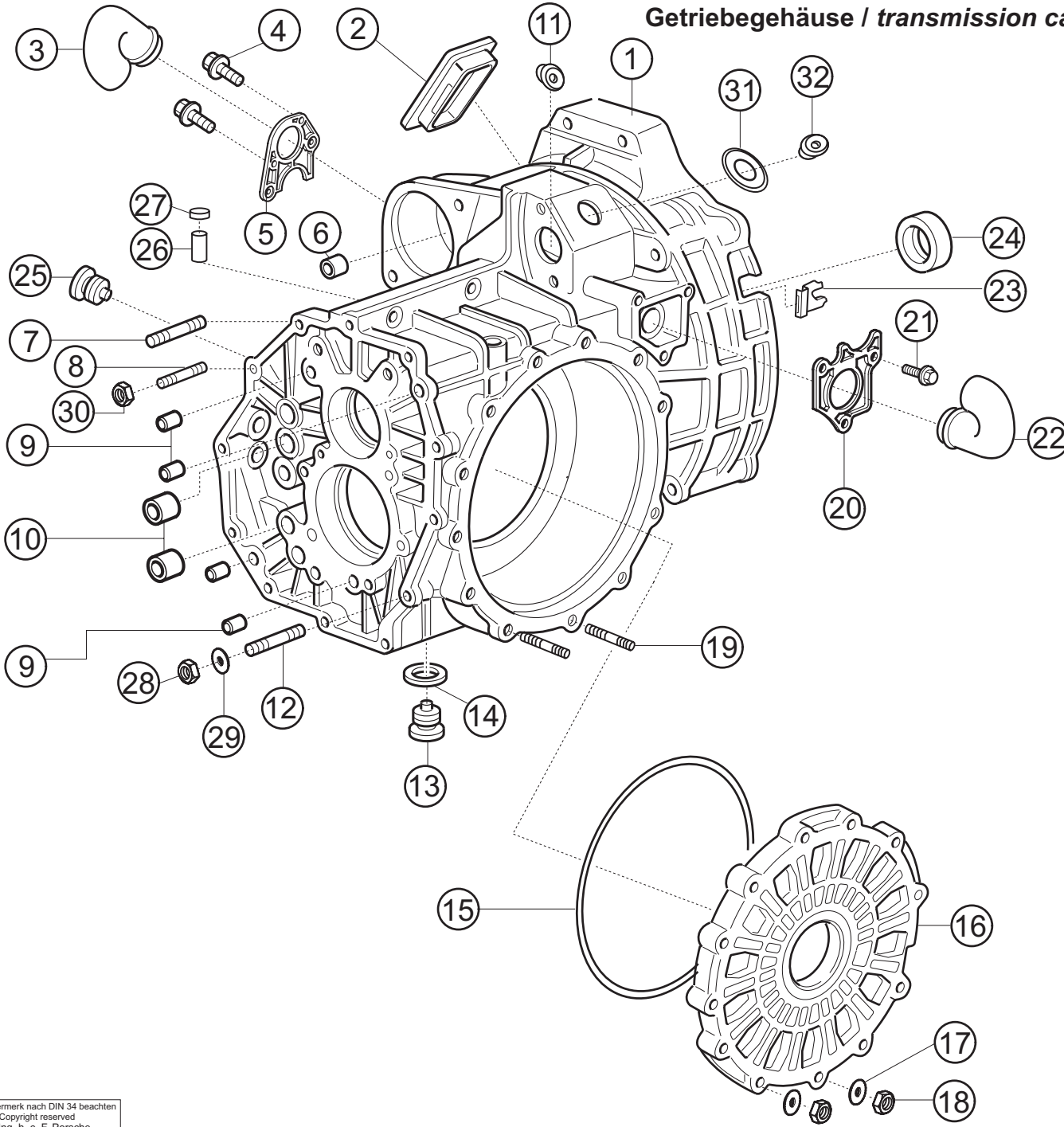
### Getriebekühlung / gearbox cooling system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
22	Dichtring 16X20 sealing ring 16X20	1	900.123.131.30
23	SHL-SHE 16-25 hose clamp 16-25	2	999.512.676.00
24	Halter support	1	477.971.885
25	Halteschelle retaining clamp	1	999.511.069.02
26	6KT-SHR M6X12 hex screw M6X12	1	900.378.036.01
27	6KT-MU M6 hex nut M6	1	900.377.010.01

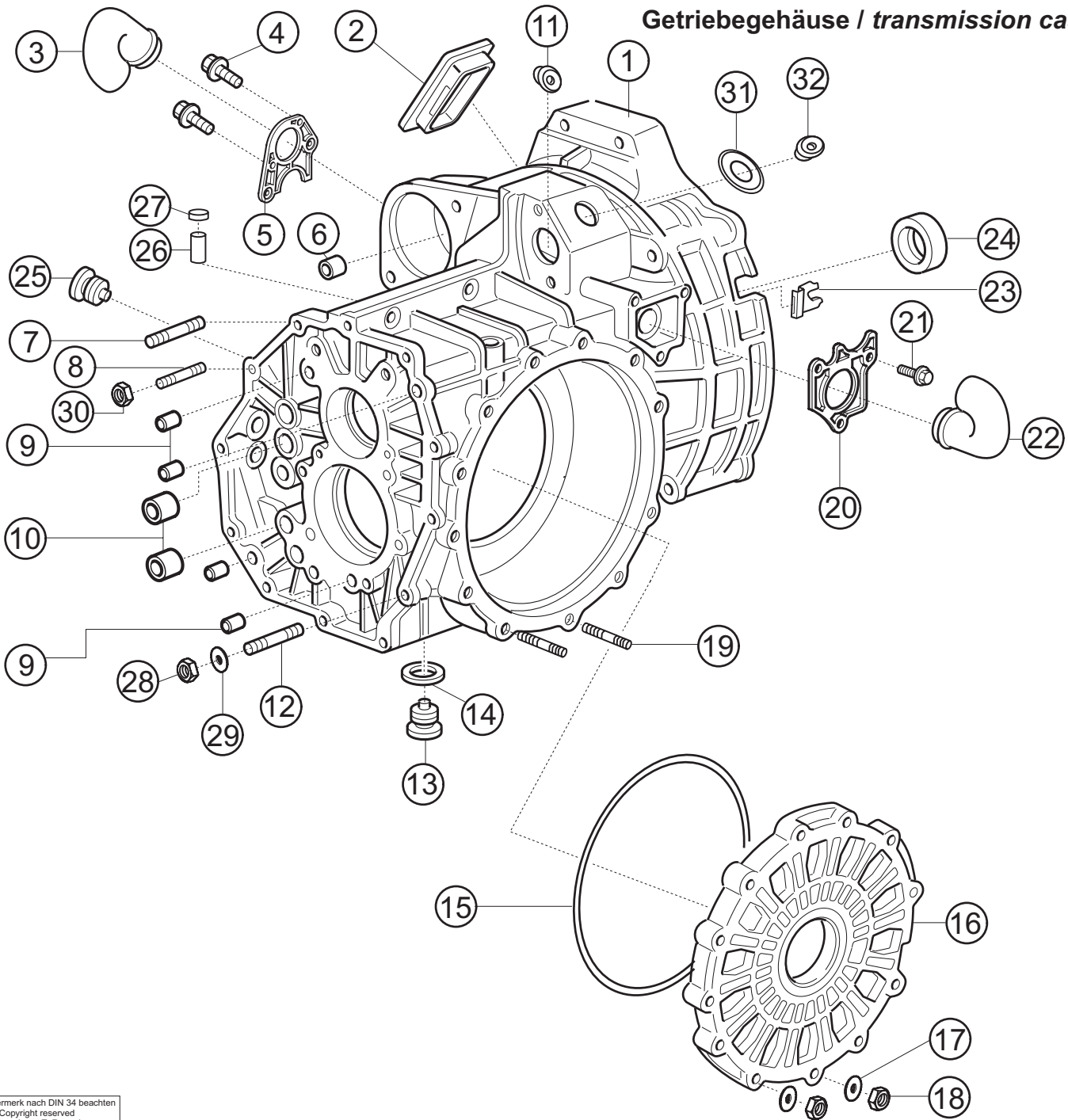


## Getriebegehäuse / transmission case



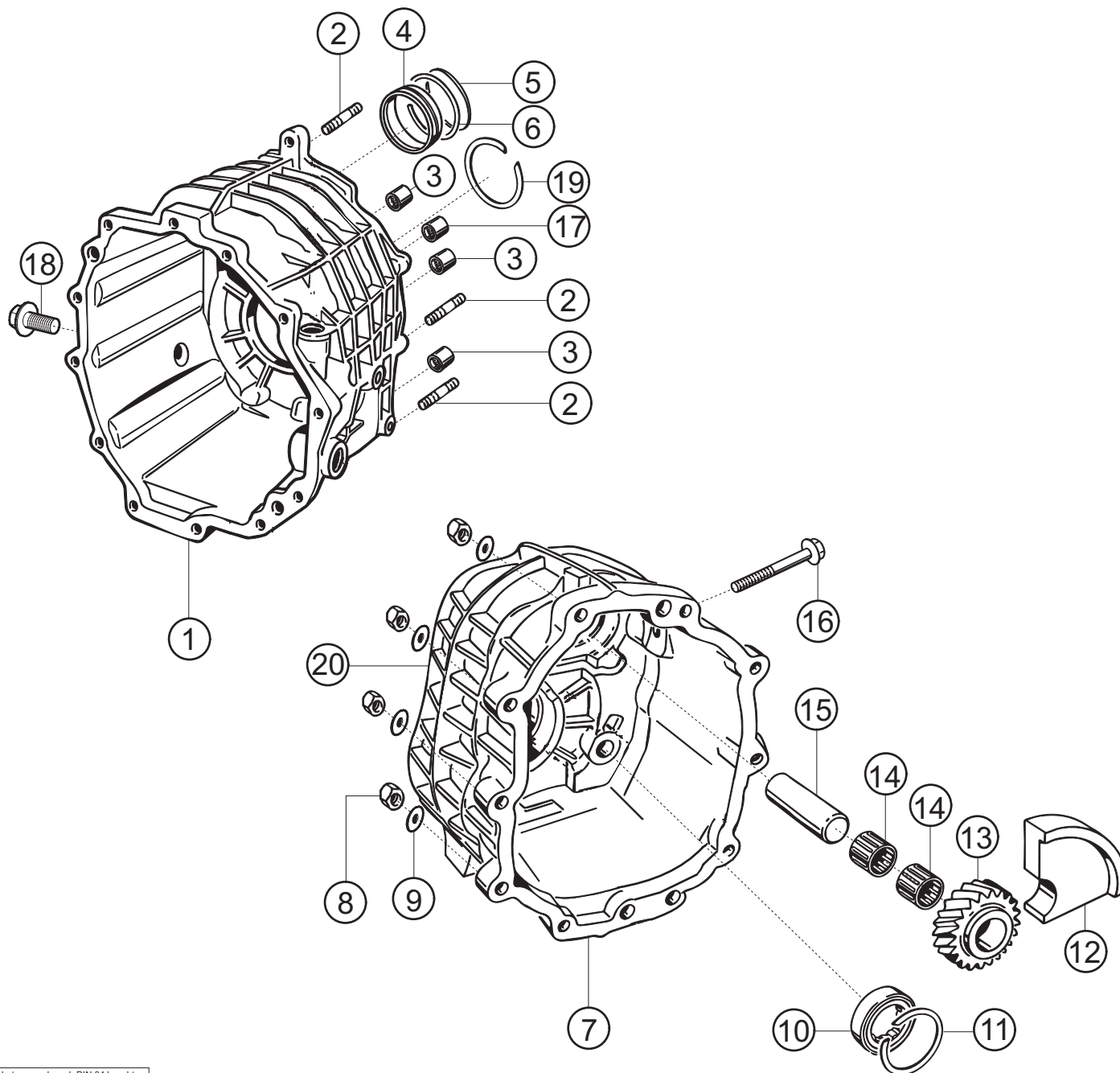
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Getriebegehäuse vormontiert <i>transmission case prefabricated</i>	R 1	996.301.010.60
2	Verschlussdeckel <i>closing cover</i>	1	950.301.151.01
3	Stutzen <i>ventilation neck</i>	1	993.116.610.00
4	6KT-SHR M6X16 <i>hex screw M6X16</i>	2	900.378.035.01
5	Flansch <i>flange</i>	1	996.116.710.00
6	Buchse 12,1X14 <i>bushing 12,1X14</i>	1	999.531.017.10
7	Stift-SHR M8X28 <i>stud M8X28</i>	10	999.062.009.02
8	Stift-SHR M8X18 <i>stud M8X18</i>	R 1	999.062.270.02
9	Zylinderstift 12X14 <i>cylindrical pin 12X14</i>	4	900.012.144.00
10	Kugelbuchse 15X21X22 <i>ball bushing 15X21X22</i>	4	996.303.513.00
11	Gummitülle <i>rubber grommet</i>	1	999.702.193.40
12	Stift-SHR M8X25 <i>stud M8X25</i>	1	999.062.008.02
13	Verschlusschraube M22X1,5 <i>screw plug M22X1,5</i>	1	999.063.008.02
14	Dichtring A 22X27 <i>sealing ring A22X27</i>	1	900.123.118.30
15	O-Ring 205X3,5 <i>o-ring 205X3,5</i>	1	999.707.480.40
16	Getriebedeckel <i>transmission cover</i>	1	996.301.312.51
17	Scheibe A8,4 <i>plain washer A8,4</i>	12	900.025.007.02
18	6KT-MU M8 <i>hex nut M8</i>	12	900.076.064.02
19	Stift-SHR M8X35 <i>stud M8X35</i>	12	999.062.010.02
20	Flansch <i>flange</i>	1	996.116.612.00
21	6KT-SHR M6X16 <i>hex screw M6X16</i>	3	900.378.035.01
22	Stutzen <i>ventilation neck</i>	1	993.116.610.00
23	Verschlusskappe <i>closure cap</i>	1	993.116.630.00
24	Wellendichtring 26,5X40 <i>shaft sealing ring</i>	1	999.113.326.41

## Getriebegehäuse / transmission case



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
25	Lagerschraube <i>bearing bolt</i>	1	996.303.519.00
26	Entlüftungsstutzen <i>bleeder neck</i>	R 1	02A.301.473
27	Abdeckkappe <i>protecting cover</i>	R 1	996.301.710.00
28	6KT-MU M8 <i>hex nut M8</i>	11	900.076.064.02
29	U-SHB <i>plain washer</i>	10	900.025.007.02
30	6KT-MU M8 <i>hex nut M8</i>	1	900.817.002.02
31	Gummitülle groß <i>rubber grommet large</i>	1	911.612.327.00
32	Gummitülle klein <i>rubber grommet small</i>	1	056.129.669.B

## Rädergehäuse + Getriebedeckel / gear housing + transmission cover



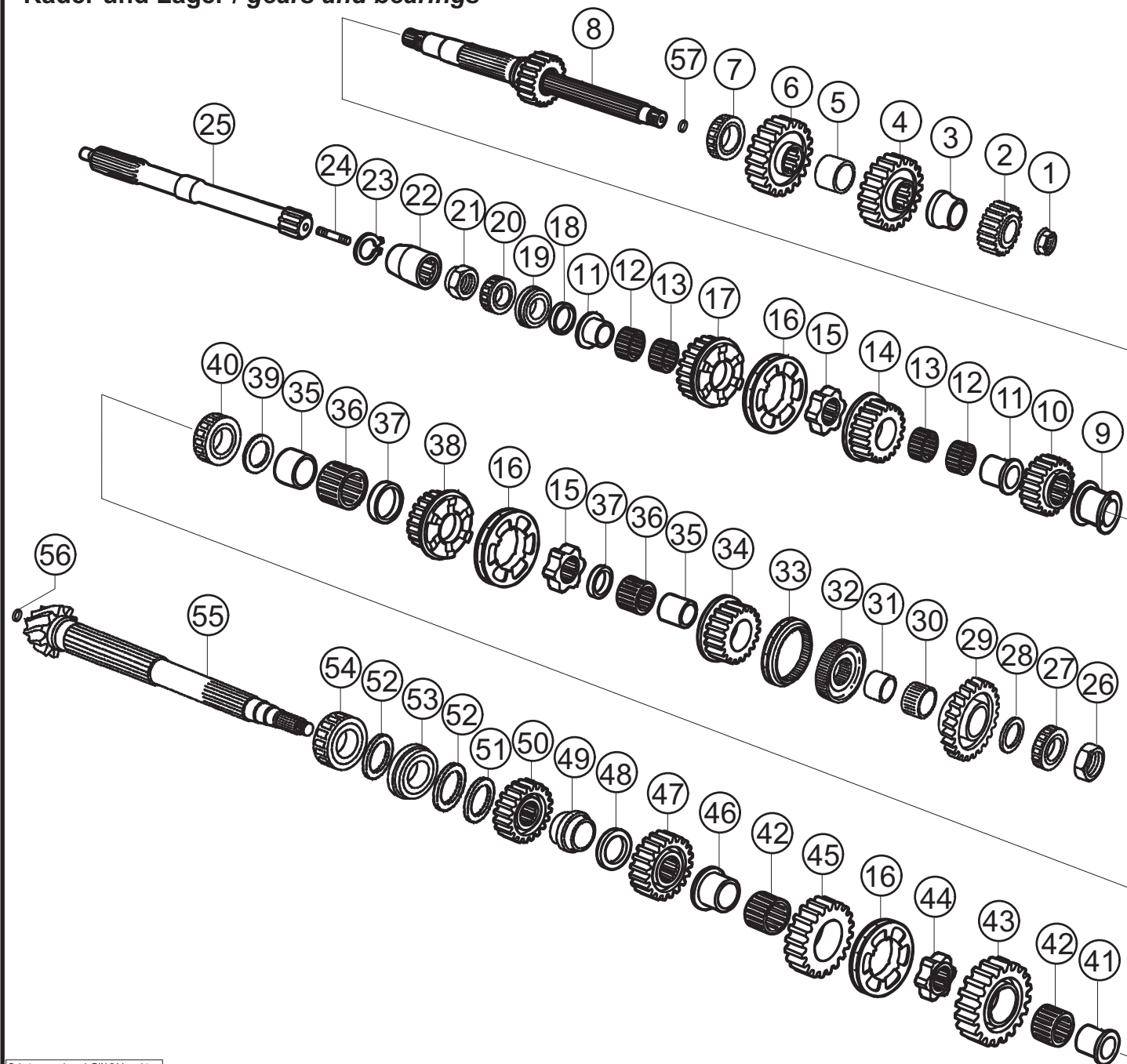
Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Rädergehäuse vormontiert <i>gear housing prefabricated</i>	R 1	996.301.011.61
2	STIFT-SHR M8X28 <i>stud M8X28</i>	10	999.062.009.02
3	Kugelbuchse 15X21X22 <i>ball bushing 15X21X22</i>	3	996.303.513.00
4	Zylinderrollenlager 30X62X16 <i>cylindrical roller bearing</i>	1	999.110.181.00
5	Sprengring SP 62 <i>circlip SP62</i>	1	900.111.001.00
6	Sprengring 68X1,50 <i>circlip 68X1,50</i>	1	999.152.031.01
7	Getriebedeckel <i>gearbox cover</i>	R 1	PAK 996.301.301.9A
8	6KT-MU M8 <i>hex nut M8</i>	12	900.076.064.02
9	U-SHB A8,4 <i>plain washer A8,4</i>	12	900.025.007.02
10	Zylinderrollenlager 25X52X15 <i>cylindrical roller bearing</i>	1	999.110.194.01
11	Sprengring 52X1,5 <i>circlip 52X1,5</i>	1	999.152.062.01
12	Lagersegment R-Gang <i>bearing bracket</i>	1	996.302.225.51
13	Rücklaufgrad <i>reverse gear</i>	1	-----
14	Nadelkäfig 20X26X17 <i>needle cage 20X26X17</i>	2	996.302.224.00
15	Bolzen Rücklaufgrad <i>bolt for reverse gear</i>	1	996.302.228.50
16	6KT-SHR M8X55 <i>hex screw M8X55</i>	1	996.302.223.00
17	Nadelhülse 15X21X12 <i>needle bush 15X21X12</i>	R 1	999.201.006.00
18	Verschlusschraube <i>closing screw</i>	R 1	900.124.007.02
19	Sprengring SP 80 <i>circlip SP 80</i>	1	N .100.709.01
20	Verschlussstopfen <i>closure plug</i>	1	999.501.023.30

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Aktiengesellschaft



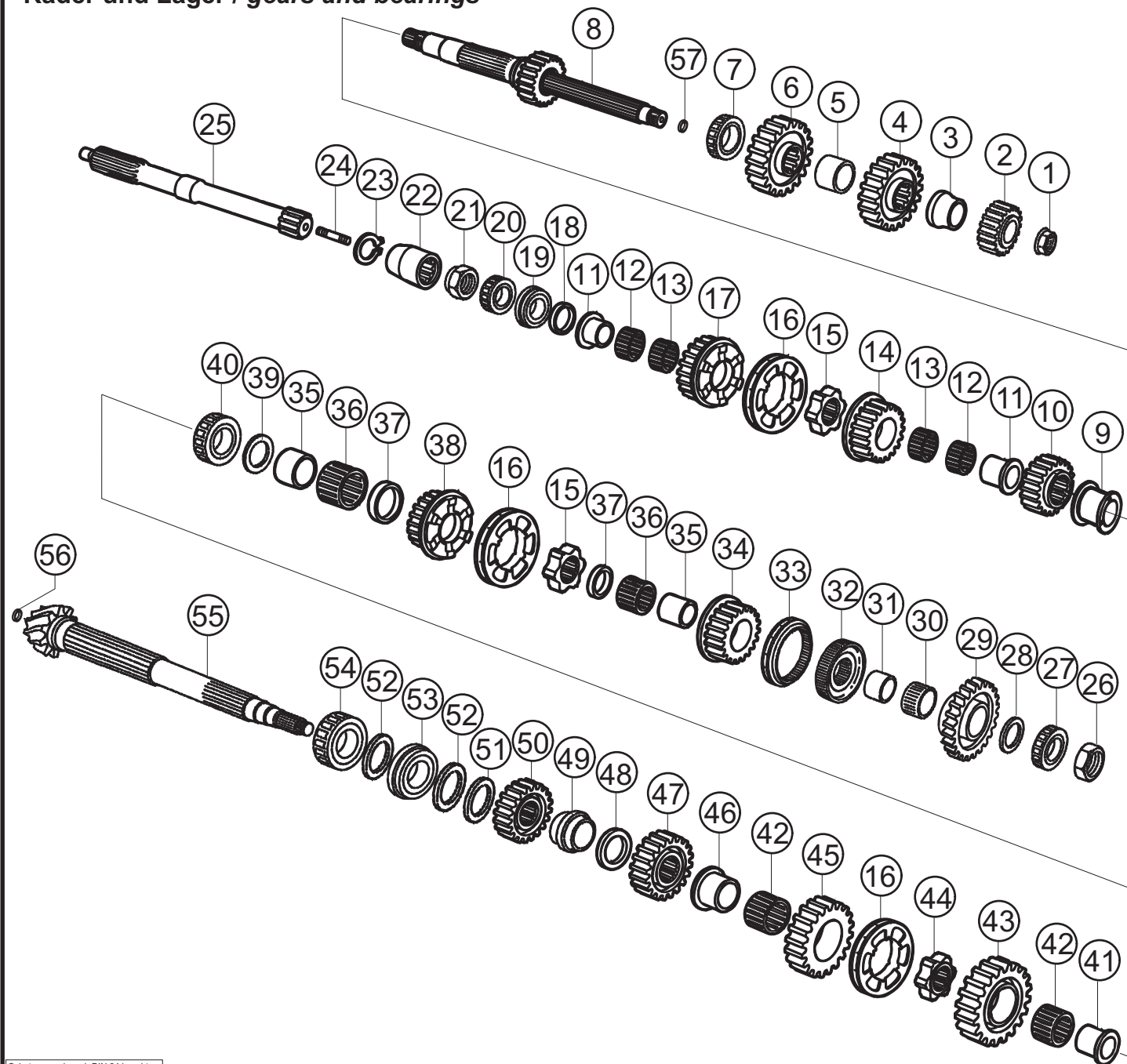


## Räder und Lager / gears and bearings



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	6KT-BUND-MU 22X1,5 hex nut 22X1,5	1	999.034.035.00
2	Festrad RW-Gang fixed gear reverse gear	1	-----
3	Distanzbüchse spacer bush	R 1	996.302.270.00
4	Festrad 5.Gang fixed gear 5.gear	1	-----
5	Distanzbüchse 5.+6.Gang spacer bush 5.+6.gear	1	950.302.268.12
6	Festrad 6.Gang fixed gear 6.gear	1	-----
7	ZYL-RO-LAG 30X62X16 cylindrical roller bearing	1	999.110.181.00
8	Antriebswelle drive shaft	1	-----
9	Distanzhülse 1.+2.Gang spacer sleeve 1.+2.gear	R 1	996.302.397.00
10	Festrad 2.Gang fixed gear 2.gear	1	-----
11	Bundbuchse 3.+4.Gang hat bush 3.+4.gear	R 2	996.302.394.01
12	Nadelkranz 3.+ 4.Gang needle crown 3.+4.Gang	R 2	997.302.256.00
13	Nadelkranz 3.+ 4.Gang needle crown 3.+4.Gang	R 2	997.302.255.00
14	Losrad 3.Gang idler gear 3.gear	1	-----
15	Mitnehmer 3.+6.Gang driver 3.+6.Gang	R 2	996.304.683.00
16	Klauenmuffe claw collar	R 3	997.304.691.90
17	Losrad 4.Gang idler gear 4.gear	1	-----
18	Distanzring 4.Gang spacer ring 4.gear	R 1	996.302.367.00
19	SH-KUG-LAG 30X62X16 angular ball bearing	1	999.052.094.00
20	ZYL-RO-LAG 30X62X20 cylindrical roller bearing	1	999.110.117.01
21	6KT-MU 30X1,5 hex nut 30X1,5	1	999.034.033.00
22	Verbindungs-muffe connecting sleeve	R 1	996.302.195.00
23	Sicherungsring lock ring	R 1	996.302.711.00
24	STIFT-SHR stud	R 1	996.302.710.00

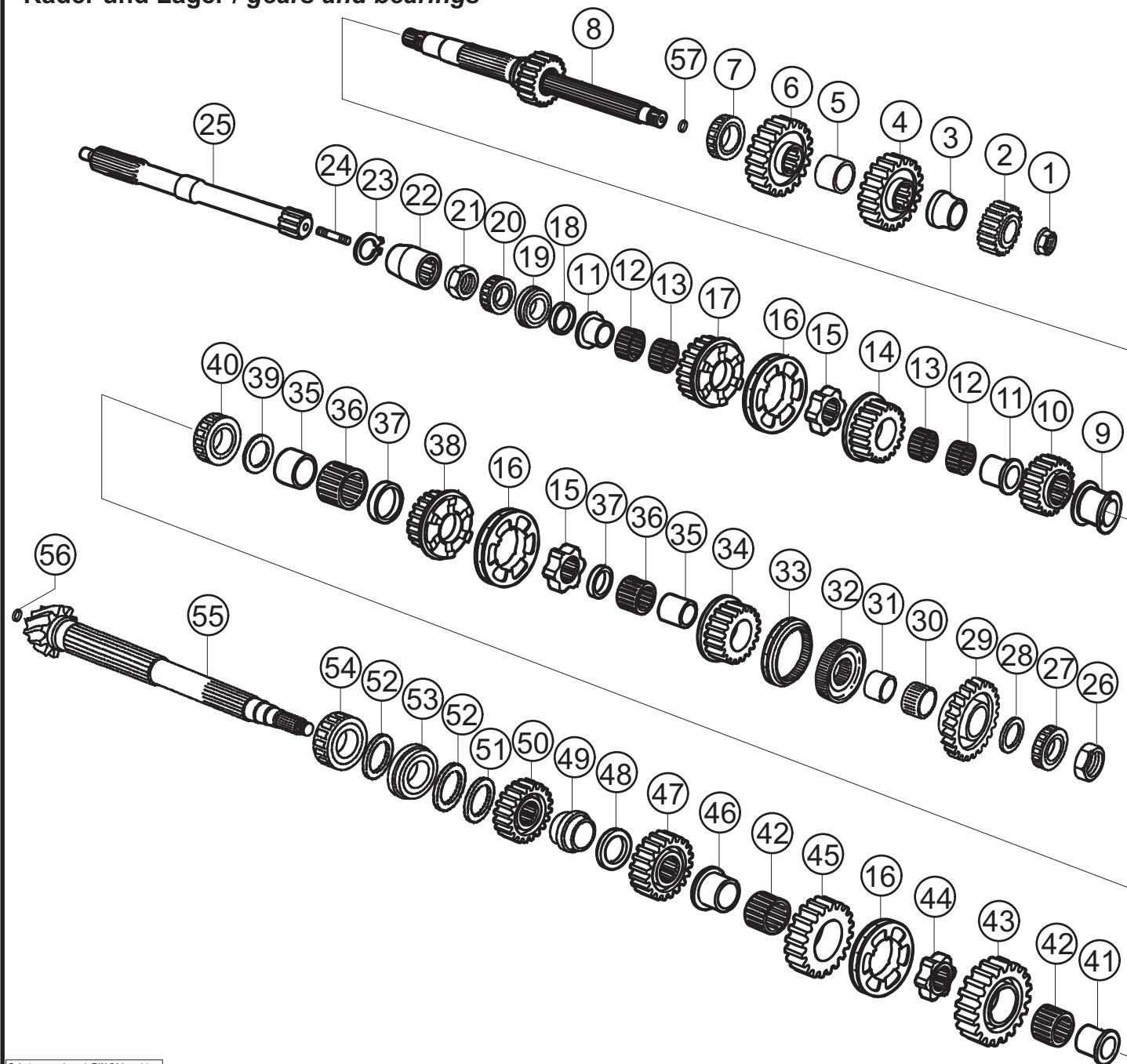
## Räder und Lager / gears and bearings



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
25	Antriebswelle <i>drive shaft</i>	R 1	996.302.110.00
26	6KT-BUND-MU M30X1,25 <i>hex nut M30X1,25</i>	1	999.034.034.00
27	ZYL-RO-LAG 30X62X16 <i>cylindrical roller bearing</i>	1	999.110.192.00
28	Anlaufscheibe RW-Gang <i>stop disk reverse gear</i>	1	950.302.296.07
29	Losrad RW-Gang <i>idler-gear reverse gear</i>	1	-----
30	Nadellag. RW-Gang 32X45X27,2 <i>needle bearing reverse gear</i>	R 1	999.201.253.50
31	Innenring Lager RW-Gang <i>inner ring bearing reverse gear</i>	1	in P.30 enthalten
32	Führungsmuffe RW-Gang <i>guiding sleeve reverse gear</i>	R 1	996.304.221.50
33	Schaltmuffe RW-Gang <i>selector sleeve reverse gear</i>	R 1	950.304.231.20
34	Losrad 5.Gang <i>idler gear 5.gear</i>	1	-----
35	Innenring 5.+6.Gang <i>inner ring 5.+6.gear</i>	R 2	996.302.395.00
36	Nadelkranz 5.+6.Gang <i>needle crown 5.+6.gear</i>	R 2	997.302.247.00
37	Distanzring 5.+6.Gang <i>spacer ring 5.+6.gear</i>	R 2	996.302.385.00
38	Losrad 6.Gang <i>idler gear 6.gear</i>	1	-----
39	Anlaufscheibe 1.+6.Gang 2,30mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.00
	Anlaufscheibe 1.+6.Gang 2,35mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.01
	Anlaufscheibe 1.+6.Gang 2,40mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.02
	Anlaufscheibe 1.+6.Gang 2,45mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.03
	Anlaufscheibe 1.+6.Gang 2,50mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.04
	Anlaufscheibe 1.+6.Gang 2,55mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.05
	Anlaufscheibe 1.+6.Gang 2,60mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.06
	Anlaufscheibe 1.+6.Gang 2,65mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.07
	Anlaufscheibe 1.+6.Gang 2,70mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.08
	Anlaufscheibe 1.+6.Gang 2,75mm <i>stop disk 1.+6.gear</i>	R 1	997.302.297.09

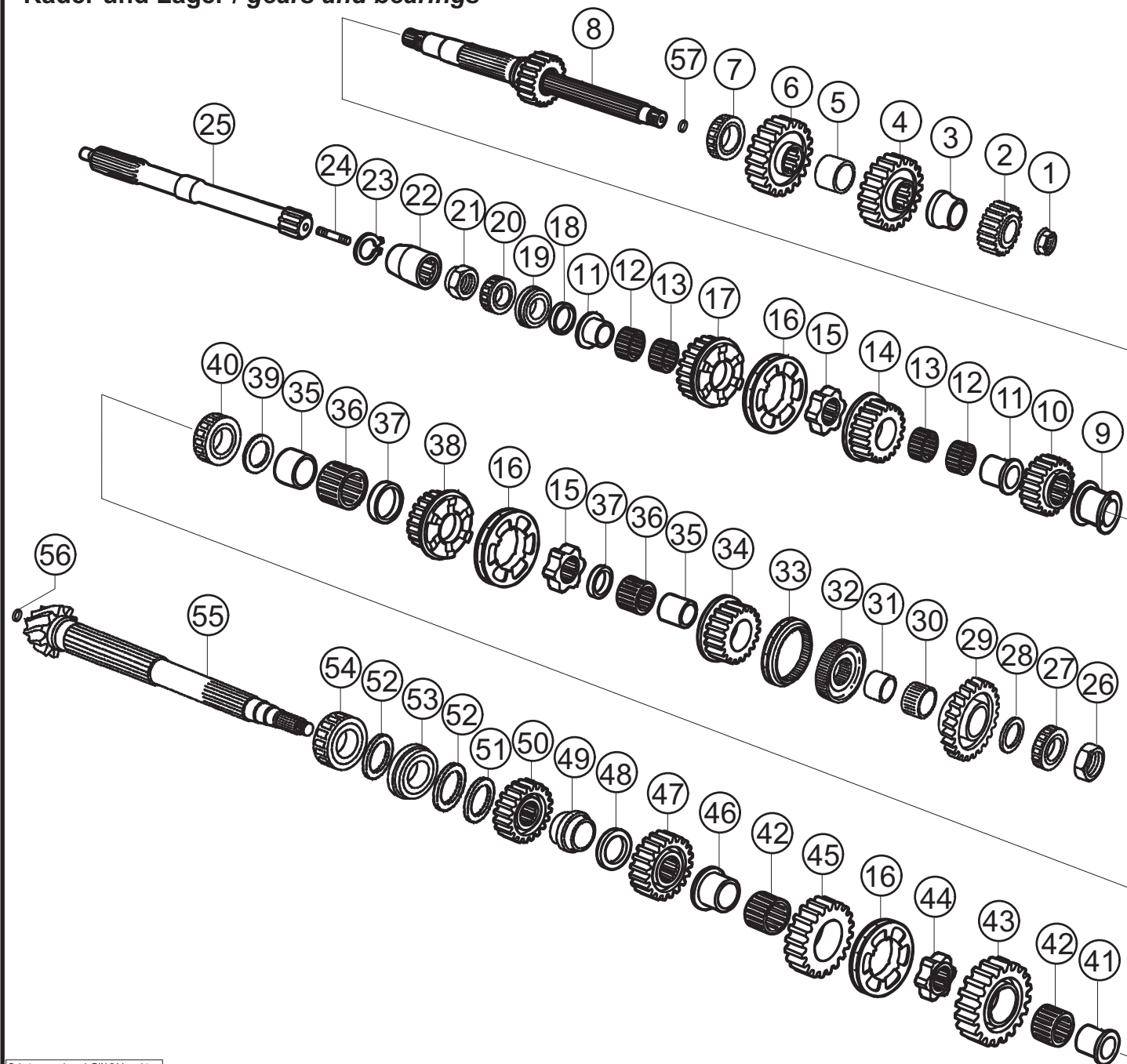


## Räder und Lager / gears and bearings



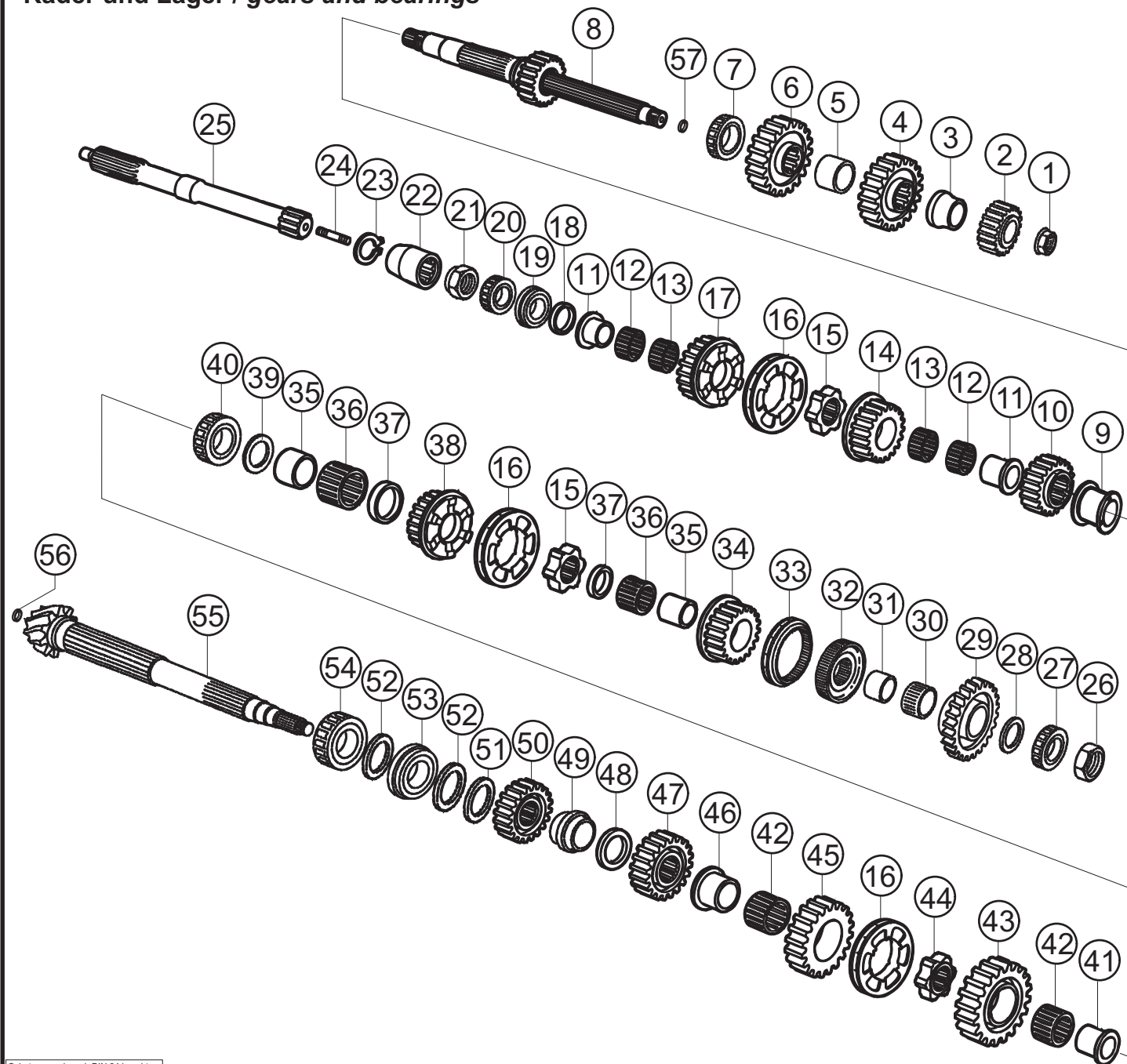
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
39	Anlaufscheibe 1.+6.Gang 2,80mm <i>stop disk 1.+6.gear</i>	1	997.302.297.10
	Anlaufscheibe 1.+6.Gang 2,85mm <i>stop disk 1.+6.gear</i>	1	997.302.297.11
	Anlaufscheibe 1.+6.Gang 2,90mm <i>stop disk 1.+6.gear</i>	1	997.302.297.12
	Anlaufscheibe 1.+6.Gang 2,95mm <i>stop disk 1.+6.gear</i>	1	997.302.297.13
	Anlaufscheibe 1.+6.Gang 3,00mm <i>stop disk 1.+6.gear</i>	1	997.302.297.14
	Anlaufscheibe 1.+6.Gang 3,05mm <i>stop disk 1.+6.gear</i>	1	997.302.297.15
	Anlaufscheibe 1.+6.Gang 3,10mm <i>stop disk 1.+6.gear</i>	1	997.302.297.16
	Anlaufscheibe 1.+6.Gang 3,15mm <i>stop disk 1.+6.gear</i>	1	997.302.297.17
	Anlaufscheibe 1.+6.Gang 3,20mm <i>stop disk 1.+6.gear</i>	1	997.302.297.18
	Anlaufscheibe 1.+6.Gang 3,25mm <i>stop disk 1.+6.gear</i>	1	997.302.297.19
	Anlaufscheibe 1.+6.Gang 3,30mm <i>stop disk 1.+6.gear</i>	1	997.302.297.20
40	ZYL-ROL-LAG 35X80X18 <i>cylindrical roller bearing</i>	1	999.110.109.01
41	Bundbuchse 1.Gang <i>hat bush 1.gear</i>	R 1	996.302.391.00
42	Nadelkranz 1.+2.Gang <i>needle crown 1.+2.gear</i>	R 2	997.302.250.00
43	Losrad 1.Gang <i>idler gear 1.gear</i>	1	-----
44	Mitnehmer 1.+2.Gang <i>driver 1.+2.gear</i>	R 1	996.304.681.00
45	Losrad 2.Gang <i>idler gear 2.gear</i>	1	-----
46	Bundbuchse 2.Gang <i>hat bush 2.gear</i>	R 1	996.302.392.00
47	Festrad 3.Gang <i>fixed gear 3.gear</i>	1	-----
48	Distanzring 3.+4.Gang 5,80mm <i>spacer ring 3.+4.gear</i>	R 1	997.302.381.00
	Distanzring 3.+4.Gang 5,85mm <i>spacer ring 3.+4.gear</i>	R 1	997.302.381.01
	Distanzring 3.+4.Gang 5,90mm <i>spacer ring 3.+4.gear</i>	R 1	997.302.381.02
	Distanzring 3.+4.Gang 5,95mm <i>spacer ring 3.+4.gear</i>	R 1	997.302.381.03
	Distanzring 3.+4.Gang 6,00mm <i>spacer ring 3.+4.gear</i>	R 1	997.302.381.04

## Räder und Lager / gears and bearings



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
48	Distanzring 3.+4. Gang 6,05mm <i>fit washer</i>	R 1	997.302.381.05
	Distanzring 3.+4. Gang 6,10mm <i>fit washer</i>	R 1	997.302.381.06
	Distanzring 3.+4. Gang 6,15mm <i>fit washer</i>	R 1	997.302.381.07
	Distanzring 3.+4. Gang 6,20mm <i>fit washer</i>	R 1	997.302.381.08
	Distanzring 3.+4. Gang 6,25mm <i>fit washer</i>	R 1	997.302.381.09
	Distanzring 3.+4. Gang 6,30mm <i>fit washer</i>	R 1	997.302.381.10
	Distanzring 3.+4. Gang 6,35mm <i>fit washer</i>	R 1	997.302.381.11
	Distanzring 3.+4. Gang 6,40mm <i>fit washer</i>	R 1	997.302.381.12
	Distanzring 3.+4. Gang 6,45mm <i>fit washer</i>	R 1	997.302.381.13
	Distanzring 3.+4. Gang 6,50mm <i>fit washer</i>	R 1	997.302.381.14
	Distanzring 3.+4. Gang 6,55mm <i>fit washer</i>	R 1	997.302.381.15
	Distanzring 3.+4. Gang 6,60mm <i>fit washer</i>	R 1	997.302.381.16
	Distanzring 3.+4. Gang 6,65mm <i>fit washer</i>	R 1	997.302.381.17
49	Antriebsrad Ölpumpe <i>drive gear oil-pump</i>	1	964.307.331.01
50	Festrad 3.+4. Gang <i>fixed gear 3.+4.gear</i>	1	-----
51	Passscheibe 40X50X0,40 <i>fit washer</i>	1	996.302.151.50
	Passscheibe 40X50X0,45 <i>fit washer</i>	1	996.302.151.51
	Passscheibe 40X50X0,50 <i>fit washer</i>	1	996.302.151.52
	Passscheibe 40X50X0,55 <i>fit washer</i>	1	996.302.151.53
	Passscheibe 40X50X0,60 <i>fit washer</i>	1	996.302.151.54
	Passscheibe 40X50X0,65 <i>fit washer</i>	1	996.302.151.55
	Passscheibe 40X50X0,70 <i>fit washer</i>	1	996.302.151.56
	Passscheibe 40X50X0,75 <i>fit washer</i>	1	996.302.151.63
	Passscheibe 40X50X0,80 <i>fit washer</i>	1	996.302.151.57

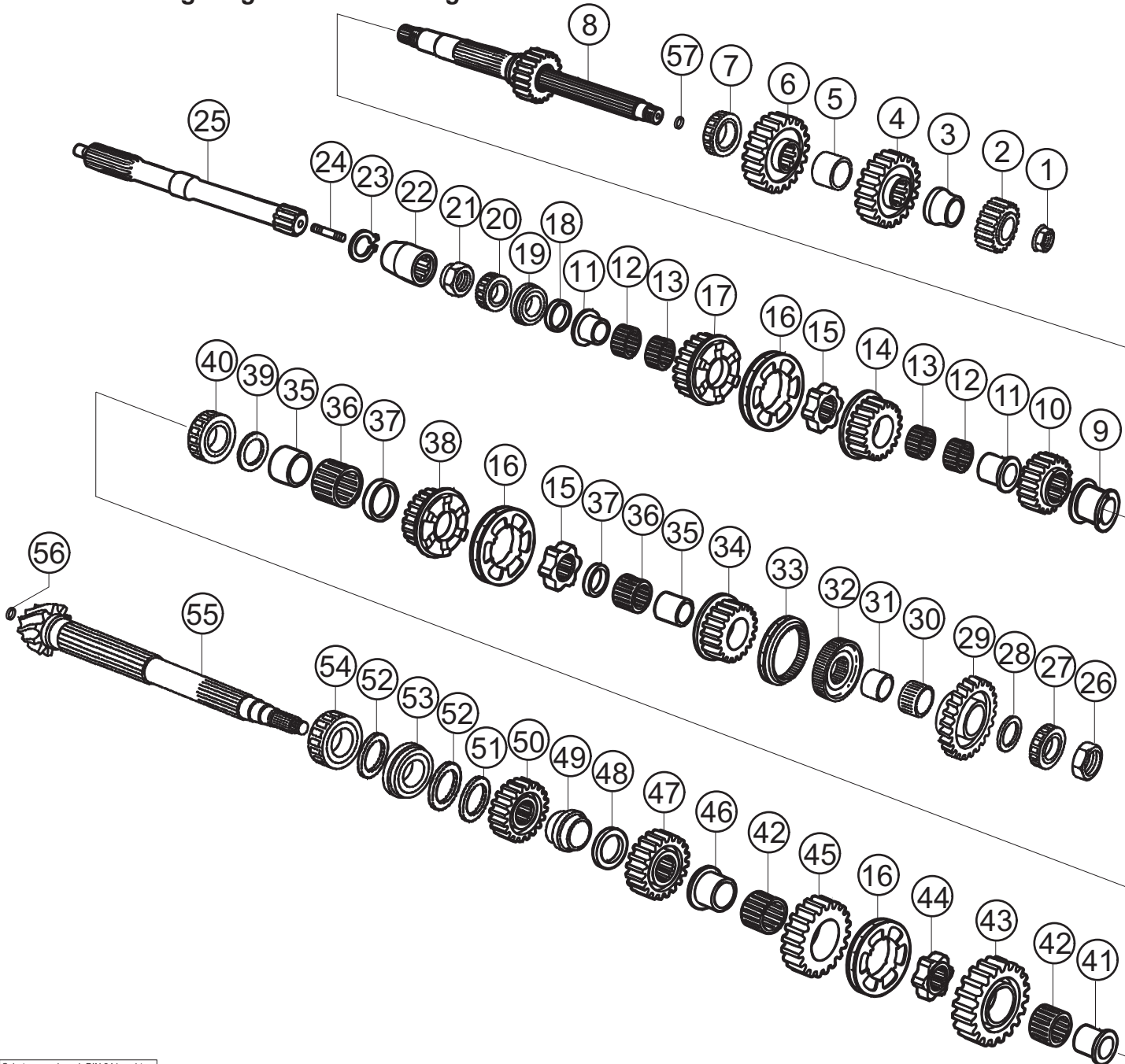
Räder und Lager / gears and bearings



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
51	Passscheibe 40X50X0,90 <i>fit washer</i>	1	996.302.151.58
	Passscheibe 40X50X1,00 <i>fit washer</i>	1	996.302.151.59
	Passscheibe 40X50X1,10 <i>fit washer</i>	1	996.302.151.60
	Passscheibe 40X50X1,20 <i>fit washer</i>	1	996.302.151.61
	Passscheibe 40X50X1,30 <i>fit washer</i>	1	996.302.151.62
52	Passscheibe 90X97X0,50 <i>fit washer</i>	n.B.	996.302.163.50
	Passscheibe 90X97X0,55 <i>fit washer</i>	n.B.	996.302.163.51
	Passscheibe 90X97X0,60 <i>fit washer</i>	n.B.	996.302.163.52
	Passscheibe 90X97X0,65 <i>fit washer</i>	n.B.	996.302.163.53
	Passscheibe 90X97X0,70 <i>fit washer</i>	n.B.	996.302.163.54
	Passscheibe 90X97X0,75 <i>fit washer</i>	n.B.	996.302.163.55
	Passscheibe 90X97X0,80 <i>fit washer</i>	n.B.	996.302.163.56
	Passscheibe 90X97X0,85 <i>fit washer</i>	n.B.	996.302.163.57
	Passscheibe 90X97X0,90 <i>fit washer</i>	n.B.	996.302.163.58
	Passscheibe 90X97X0,95 <i>fit washer</i>	n.B.	996.302.163.59
	Passscheibe 90X97X1,00 <i>fit washer</i>	n.B.	996.302.163.60
	Passscheibe 90X97X1,05 <i>fit washer</i>	n.B.	996.302.163.61
	Passscheibe 90X97X1,10 <i>fit washer</i>	n.B.	996.302.163.62
	Passscheibe 90X97X1,15 <i>fit washer</i>	n.B.	996.302.163.63
	Passscheibe 90X97X1,20 <i>fit washer</i>	n.B.	996.302.163.64
	Passscheibe 90X97X1,25 <i>fit washer</i>	n.B.	996.302.163.65
	Passscheibe 90X97X1,30 <i>fit washer</i>	n.B.	996.302.163.66
	Passscheibe 90X97X1,35 <i>fit washer</i>	n.B.	996.302.163.67
	Passscheibe 90X97X1,40 <i>fit washer</i>	n.B.	996.302.163.68



### Räder und Lager / gears and bearings



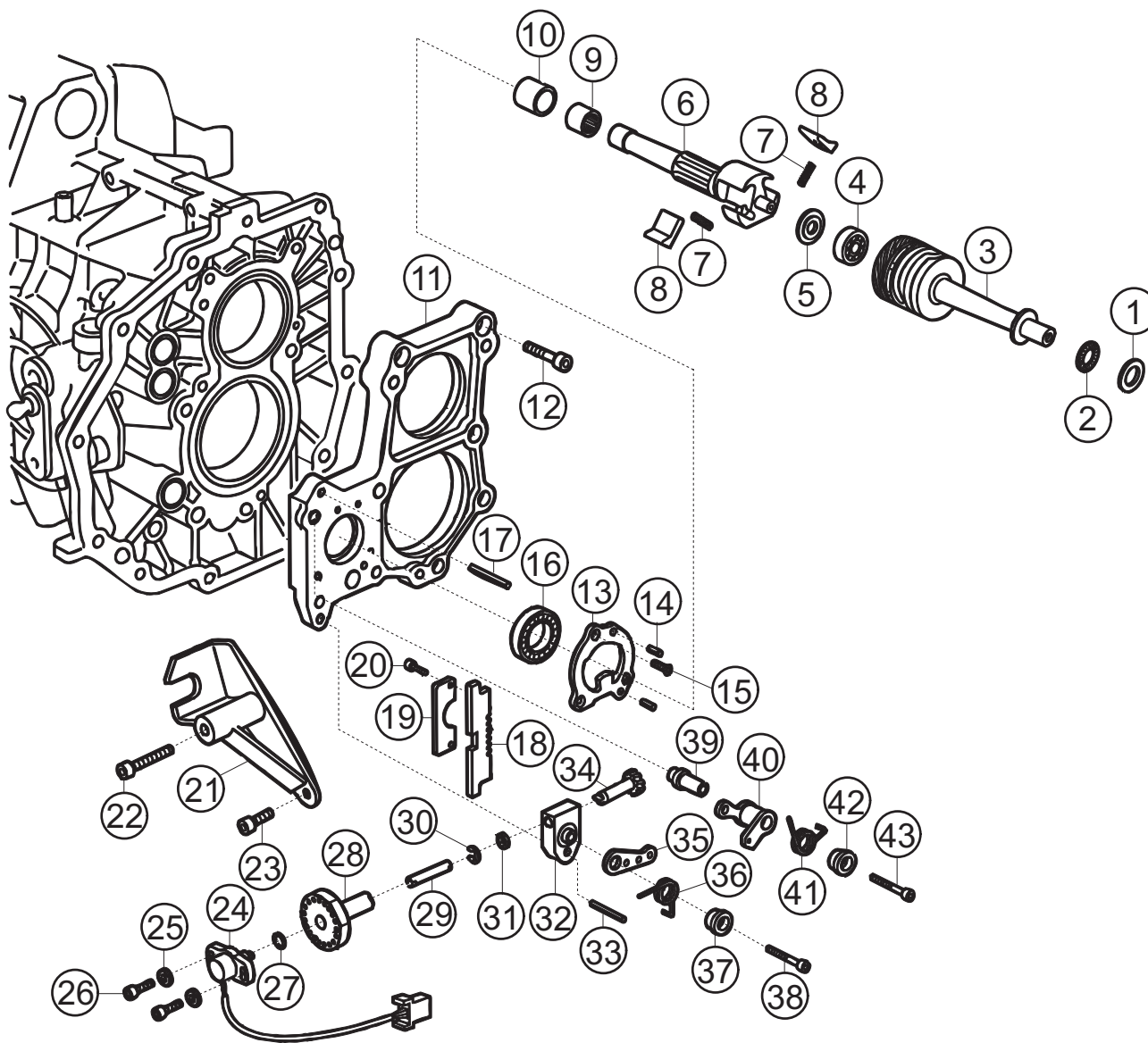
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
52	Passscheibe 90X97X1,45 <i>fit washer</i>	n.B.	996.302.163.69
	Passscheibe 90X97X1,50 <i>fit washer</i>	n.B.	996.302.163.70
	Passscheibe 90X97X1,55 <i>fit washer</i>	n.B.	996.302.163.71
	Passscheibe 90X97X1,60 <i>fit washer</i>	n.B.	996.302.163.72
53	SH-KUG-LAG 40X82X18 <i>angular ball bearing</i>	R 1	997.302.293.00
54	ZYL-RO-LAG 40X90X23 <i>cylindrical roller bearing</i>	1	999.110.119.01
55	Triebwelle <i>pinion shaft</i>	1	-----
56	Scheibe D=14,5 <i>disk d=14,5</i>	1	964.302.335.01
57	Scheibe D=70 <i>disk d=70</i>	R 1	964.302.335.02

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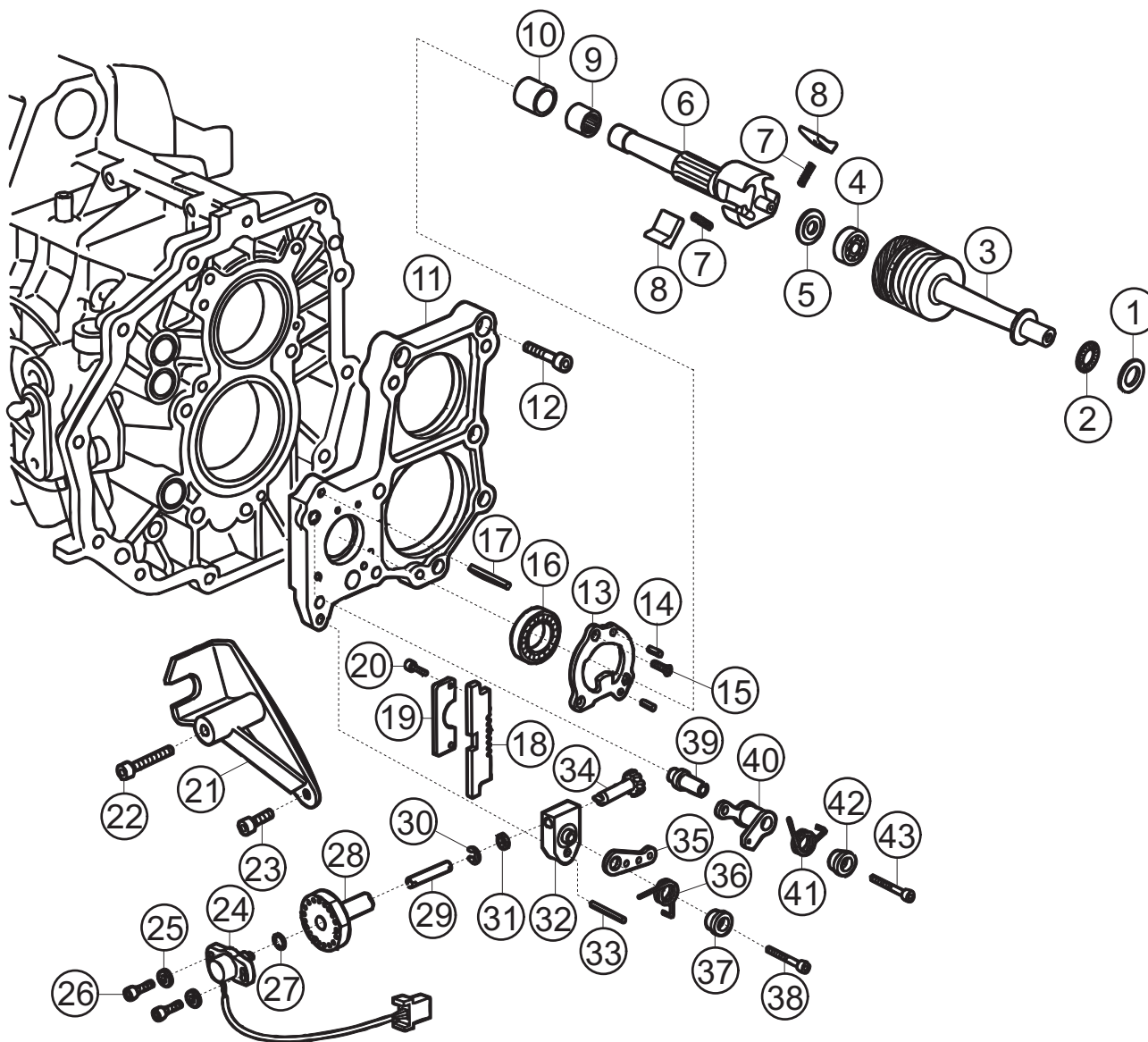


## Schaltmechanik sequentiell / gearshift mechanism sequential



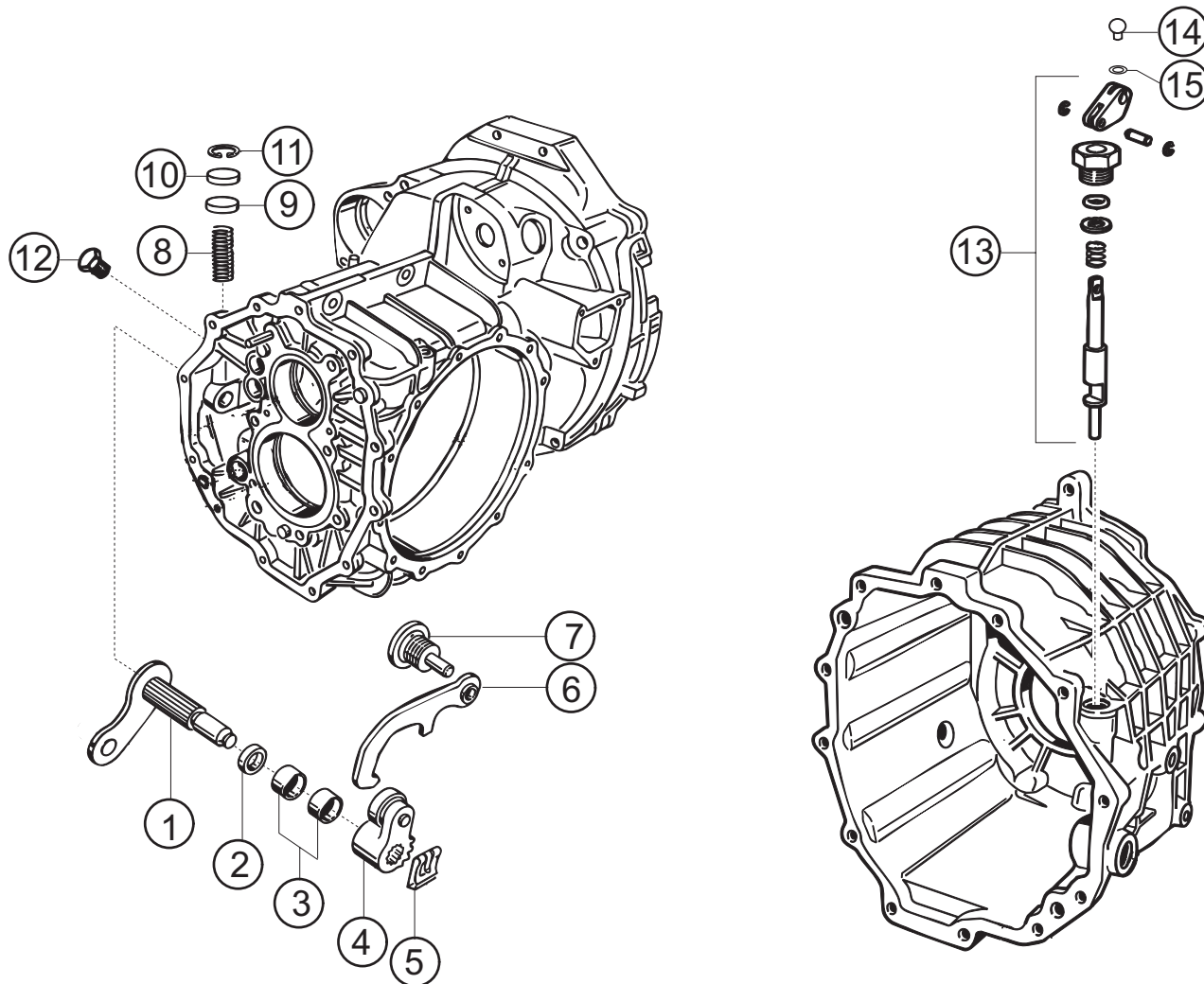
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Einstellscheibe <i>adjusting disk</i>	R 1	996.303.397.01
2	Axialnadellager <i>axial needle bearing</i>	R 1	996.303.840.00
3	Schaltwalze <i>gear-selector drum</i>	R 1	996.303.395.00
4	Kugellager <i>ball bearing</i>	R 1	996.303.620.00
5	Einstellscheibe <i>adjusting disk</i>	R 1	996.303.563.00
6	Schaltwelle <i>gearshift shaft</i>	R 1	996.303.310.60
7	Feder <i>spring</i>	R 2	996.303.312.00
8	Klinke <i>ratchet</i>	R 2	996.303.311.00
9	Nadellager <i>needle bearing</i>	R 1	996.303.527.00
10	Hülse <i>sleeve</i>	R 1	996.303.525.00
11	Spannplatte komplett <i>tensioning plate assembly</i>	R 1	996.302.021.60
12	ZYL-SHR <i>fillister screw</i>	R 7	996.302.680.00
13	Befestigungsplatte <i>fastening plate</i>	R 1	996.303.671.00
14	Spannstift <i>roll pin</i>	R 3	996.303.632.00
15	LINSEN-SHR <i>oval-head screw</i>	R 3	996.303.642.00
16	Kugellager <i>ball bearing</i>	R 1	996.303.610.00
17	Spannstift <i>roll pin</i>	R 1	996.303.634.00
18	Zahnsegment <i>gear segment</i>	R 1	996.303.561.00
19	Sicherungblech <i>securing plate</i>	R 1	996.303.562.00
20	ZYL-SHR <i>fillister screw</i>	R 2	996.303.640.00
21	Widerlagerbock <i>bracket for gearshift cable</i>	R 1	996.424.165.9D
22	ZYL-SHR M10X55 <i>fillister screw M10X55</i>	1	900.067.087.01
23	ZYL-SHR M10X25 <i>fillister screw M10X25</i>	1	N .014.721.2
24	Potentiometer <i>potentiometer</i>	R 1	997.606.050.9B

## Schaltmechanik sequentiell / gearshift mechanism sequential



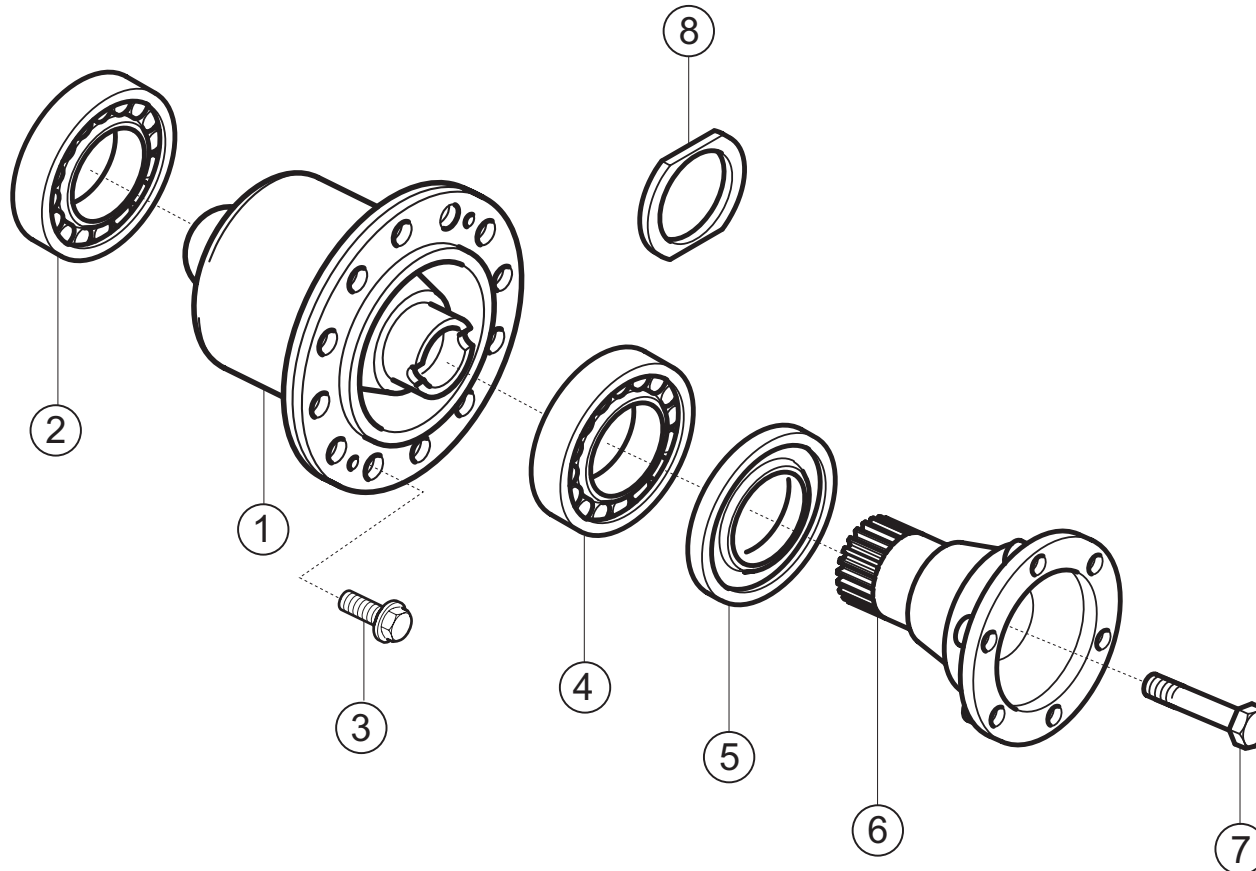
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
25	Scheibe <i>plain washer</i>	R 2	996.301.802.00
26	ZYL-SHR M4X12 <i>fillister screw M4X12</i>	R 2	900.067.212.02
27	Dichtring <i>sealing ring</i>	R 1	996.301.801.01
28	Montageplatte Potentiometer <i>mounting plate for potentiometer</i>	R 1	996.303.280.01
29	Achse Ganganzeige <i>spindle gear-indicator</i>	R 1	996.303.684.00
30	Sicherungsscheibe <i>lock washer</i>	R 1	996.303.683.00
31	Scheibe Ganganzeige <i>disk for gear-indicator</i>	R 1	996.303.682.00
32	Montageplatte <i>base plate</i>	R 1	996.303.680.00
33	Spannstift <i>roll pin</i>	R 1	996.303.630.00
34	Ritzel Ganganzeige <i>pinion gear for gear indicator</i>	R 1	996.303.681.00
35	Sperrklinke <i>ratchet</i>	R 1	996.303.685.00
36	Drehfeder <i>torsion spring</i>	R 1	996.303.686.00
37	Lagerhülse <i>bearing sleeve</i>	R 1	996.303.687.00
38	ZYL-SHR <i>fillister screw</i>	R 1	996.303.688.00
39	Achse <i>spindle</i>	R 1	996.303.650.00
40	Verriegelung <i>lock</i>	R 1	996.303.651.00
41	Drehfeder <i>torsion spring</i>	R 1	996.303.652.00
42	Lagerhülse <i>bearing sleeve</i>	R 1	996.303.653.00
43	ZYL-SHR <i>fillister screw</i>	R 1	996.303.654.00

## Wählhebel + Rückwärtsgangauslösung / selector lever + reverse-gear release unit



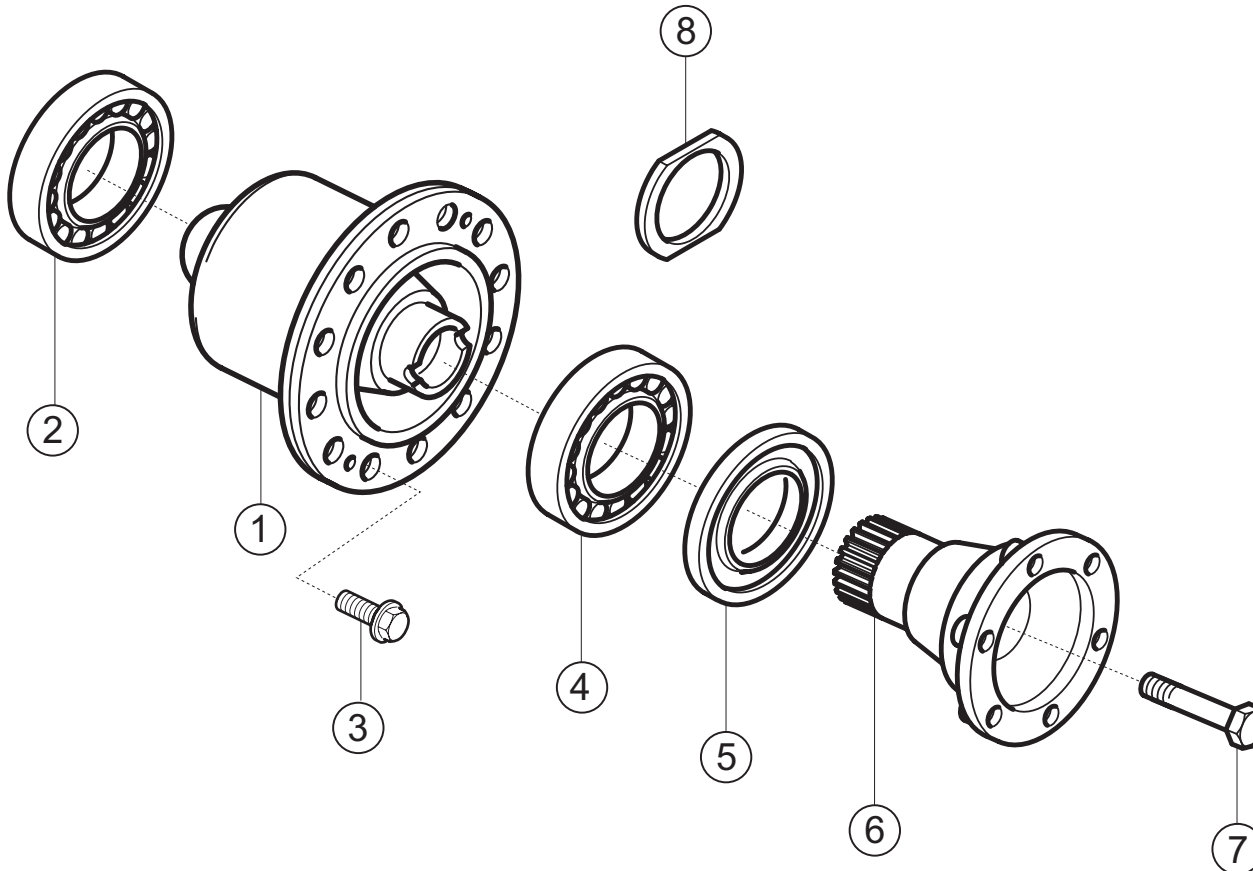
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Vorwählhebel <i>preselector lever</i>	R 1	996.303.055.61
2	Wellendichtring 15X21X5/65 <i>shaft sealing ring 15X21X5/65</i>	1	996.303.517.00
3	Lagerbushung 15X20X13,0 <i>bushing 15X20X13,0</i>	R 2	999.201.903.00
4	Klinke komplett <i>ratchet assembly</i>	R 1	996.303.067.00
5	Sicherungsclip <i>circlip</i>	1	996.303.383.00
6	Wählkrafthebel <i>selector lever</i>	1	996.303.053.00
7	Lagerschraube <i>bearing bolt</i>	1	996.303.519.00
8	Druckfeder <i>pressure spring</i>	1	996.303.255.00
9	Distanzstück <i>spacer</i>	R 1	996.303.291.00
10	Deckel 20X4 <i>cap 20X4</i>	1	996.303.257.00
11	Sicherungsclip 20X1 <i>circlip 20X1</i>	1	900.042.003.01
12	Verschlußschraube M10X1 <i>screw plug M10X1</i>	4	900.124.023.02
13	Entriegelung Rückwärtsgang <i>release unit for reverse gear</i>	R 1	996.303.017.00
14	Kugelkopf <i>ball pin</i>	1	900.167.013.02
15	U-SHB 5 <i>plain washer</i>	1	900.025.003.02

Sperrdifferenzial / *limited slip differential*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Sperrdifferenzial 45/65% <i>limited slip differential 45/65%</i>	R 1	997.332.083.9E
	Reiblamellensatz <i>friction-disk set</i>	R 1	997.332.983.9E
2	Kegelrollenlager 50X80X20 <i>taper roller bearing 50X80X20</i>	1	999.059.066.02
3	6KT-SHR M12X1,25X22,5 <i>hex screw M12X1,25X22,5</i>	12	999.217.152.01
4	Kegelrollenlager 50X90X21,7 <i>taper roller bearing 50X90X21,7</i>	1	999.059.064.00
5	Wellendichtring AS48X68X10 <i>shaft sealing ring 48X68X10</i>	2	999.113.347.40
6	Gelenkflansch <i>flange for articulated shaft</i>	2	950.332.209.01
7	6KT-SHR M10X85 <i>hex screw M10X85</i>	2	999.217.027.01
8	Einstellring 1,50mm <i>adjusting ring</i>	2	996.332.266.50
	Einstellring 1,55mm <i>adjusting ring</i>	2	996.332.266.51
	Einstellring 1,60mm <i>adjusting ring</i>	2	996.332.266.52
	Einstellring 1,65mm <i>adjusting ring</i>	2	996.332.266.53
	Einstellring 1,70mm <i>adjusting ring</i>	2	996.332.266.54
	Einstellring 1,75mm <i>adjusting ring</i>	2	996.332.266.55
	Einstellring 1,80mm <i>adjusting ring</i>	2	996.332.266.56
	Einstellring 1,85mm <i>adjusting ring</i>	2	996.332.266.57
	Einstellring 1,90mm <i>adjusting ring</i>	2	996.332.266.58
	Einstellring 1,95mm <i>adjusting ring</i>	2	996.332.266.59
	Einstellring 2,00mm <i>adjusting ring</i>	2	996.332.266.60
	Einstellring 2,05mm <i>adjusting ring</i>	2	996.332.266.61
	Einstellring 2,10mm <i>adjusting ring</i>	2	996.332.266.62
	Einstellring 2,15mm <i>adjusting ring</i>	2	996.332.266.63
	Einstellring 2,20mm <i>adjusting ring</i>	2	996.332.266.64
	Einstellring 2,25mm <i>adjusting ring</i>	2	996.332.266.65

Sperrdifferenzial / limited slip differential

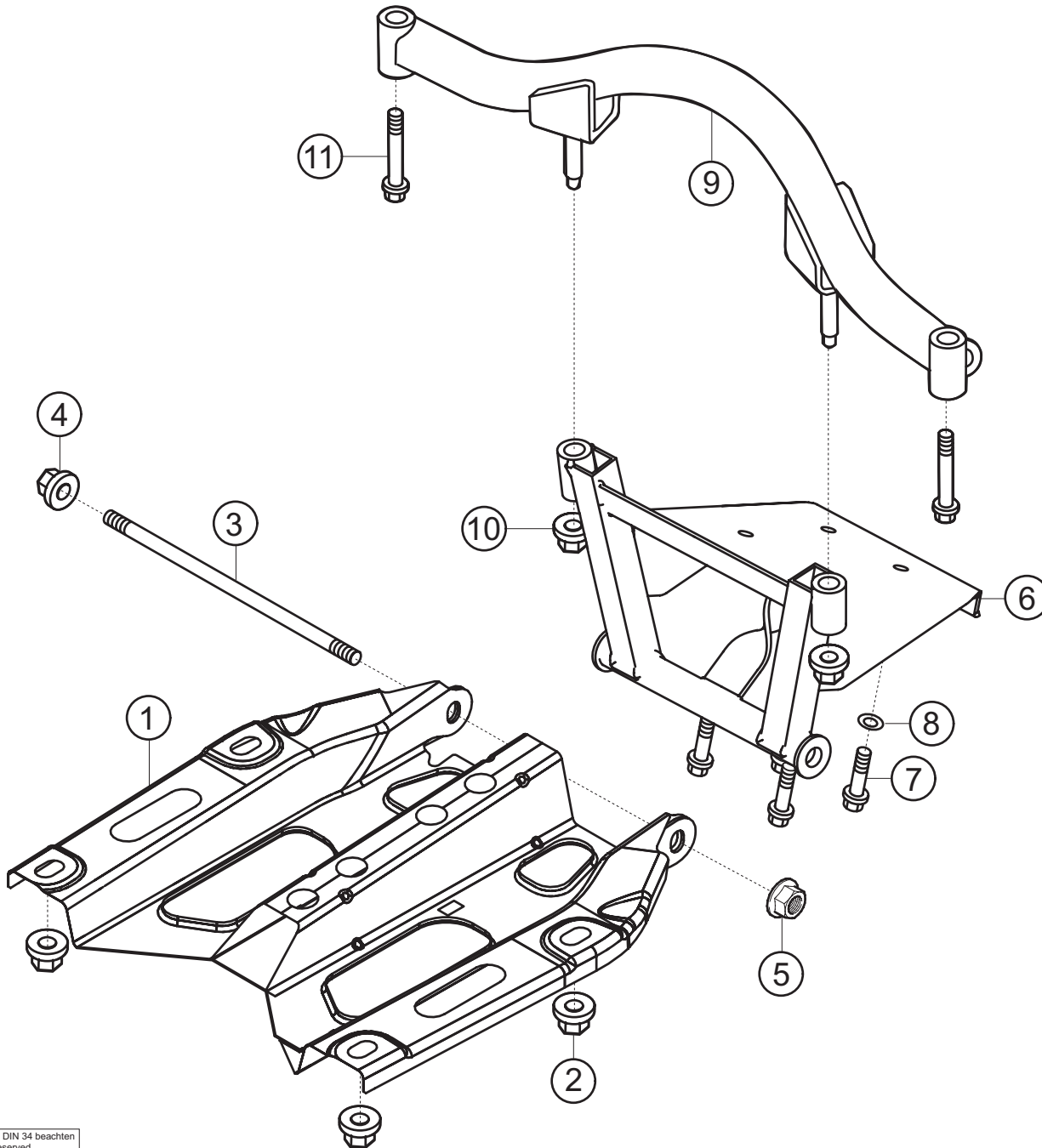


Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
8	Einstellring 2,30mm <i>adjusting ring</i>	2	996.332.266.66
	Einstellring 2,35mm <i>adjusting ring</i>	2	996.332.266.67
	Einstellring 2,40mm <i>adjusting ring</i>	2	996.332.266.68
	Einstellring 2,45mm <i>adjusting ring</i>	2	996.332.266.69
	Einstellring 2,50mm <i>adjusting ring</i>	2	996.332.266.70
	Einstellring 2,55mm <i>adjusting ring</i>	2	996.332.266.71
	Einstellring 2,60mm <i>adjusting ring</i>	2	996.332.266.72
	Einstellring 2,65mm <i>adjusting ring</i>	2	996.332.266.73
	Einstellring 2,70mm <i>adjusting ring</i>	2	996.332.266.74
	Einstellring 2,75mm <i>adjusting ring</i>	2	996.332.266.75
	Einstellring 2,80mm <i>adjusting ring</i>	2	996.332.266.76





Getriebeträger / gearbox bracket



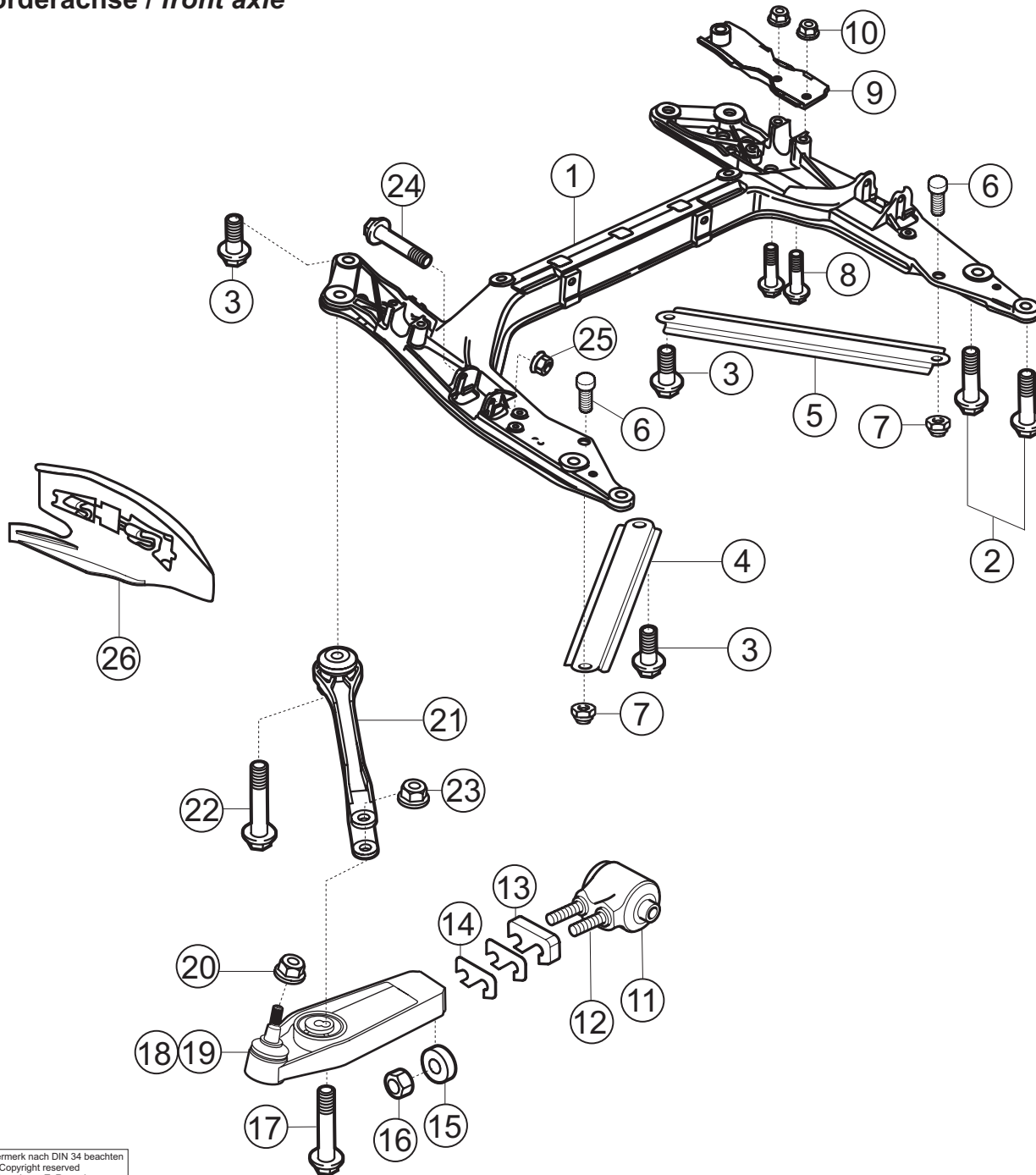
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Längsstütze <i>longitudinal support</i>	1	997.375.115.00
2	6KT-MU M10 <i>hex nut M10</i>	4	999.084.648.01
3	STIFT-SHR M10 L=220 <i>stud M10X220</i>	R 1	996.375.519.9A
4	6KT-MU M10 <i>hex nut M10</i>	1	900.380.008.01
5	6KT-MU M10 <i>hex nut M10</i>	1	900.377.011.01
6	Getriebeträger <i>gearbox support</i>	R 1	997.375.039.90
7	6KT-SHR M8X20 <i>hex screw M8X20</i>	4	900.378.017.01
8	Unterlegscheibe <i>plain washer</i>	4	900.151.008.02
9	Zwischenträger <i>intermediate bracket</i>	1	996.375.317.06
10	Simmonds-MU M10 <i>simmonds nut M10</i>	2	900.817.003.02
11	6KT-SHR M10X60 <i>hex screw M10X60</i>	2	900.378.098.09

**Vorderachse / Front axle**

- Vorderachse / *front axle*
- Radträger vorne / *upright front*
- Vorderachsstabilisator / *anti-roll bar front axle*
- Federbein + Stützlager vorne / *suspension strut + supporting mount front*
- Lenkgetriebe / *steering gear*
- Servolenkung / *power-steering*
- Lenksäule + Lenkrad / *steering shaft + steering wheel*

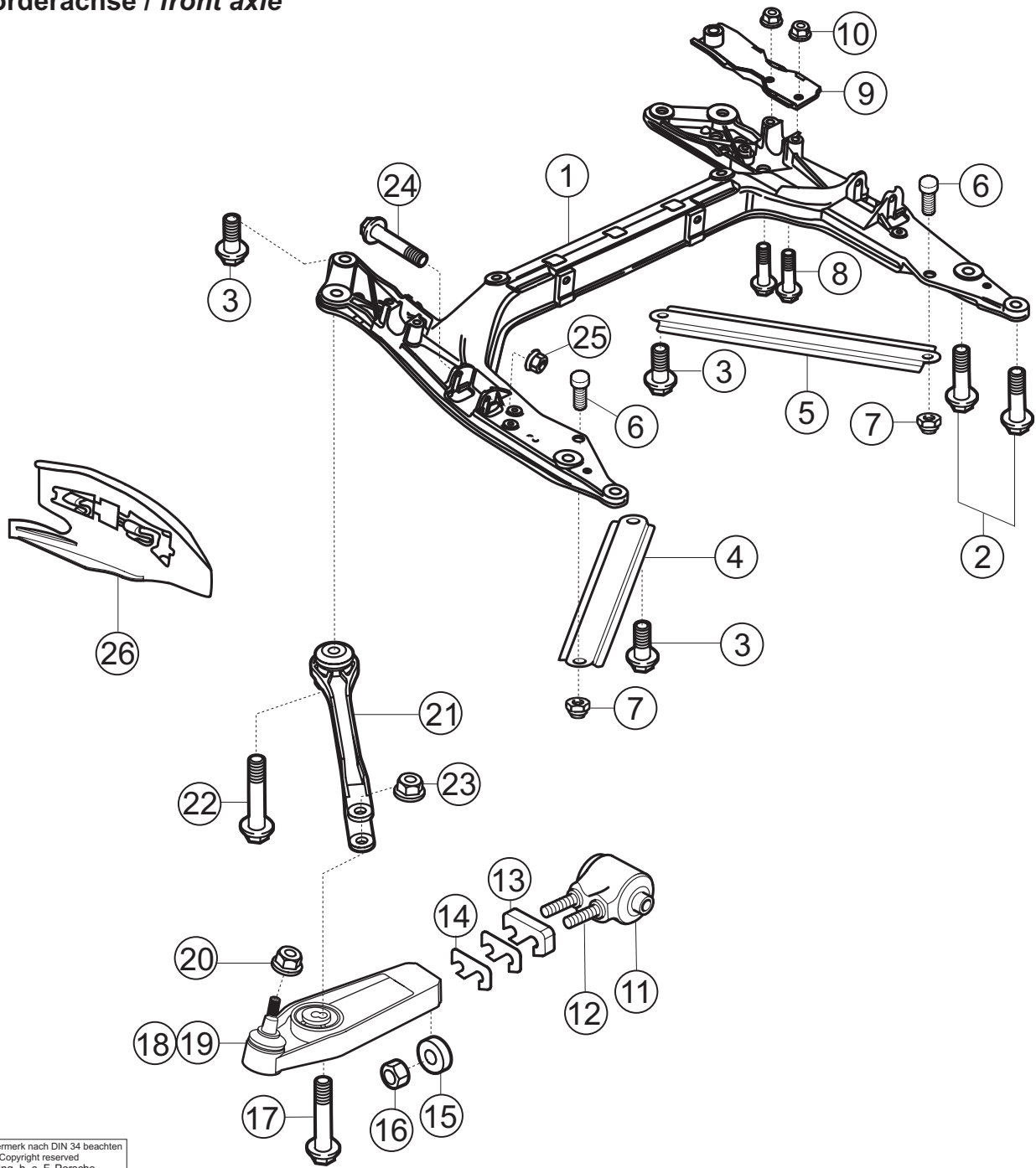


## Vorderachse / front axle



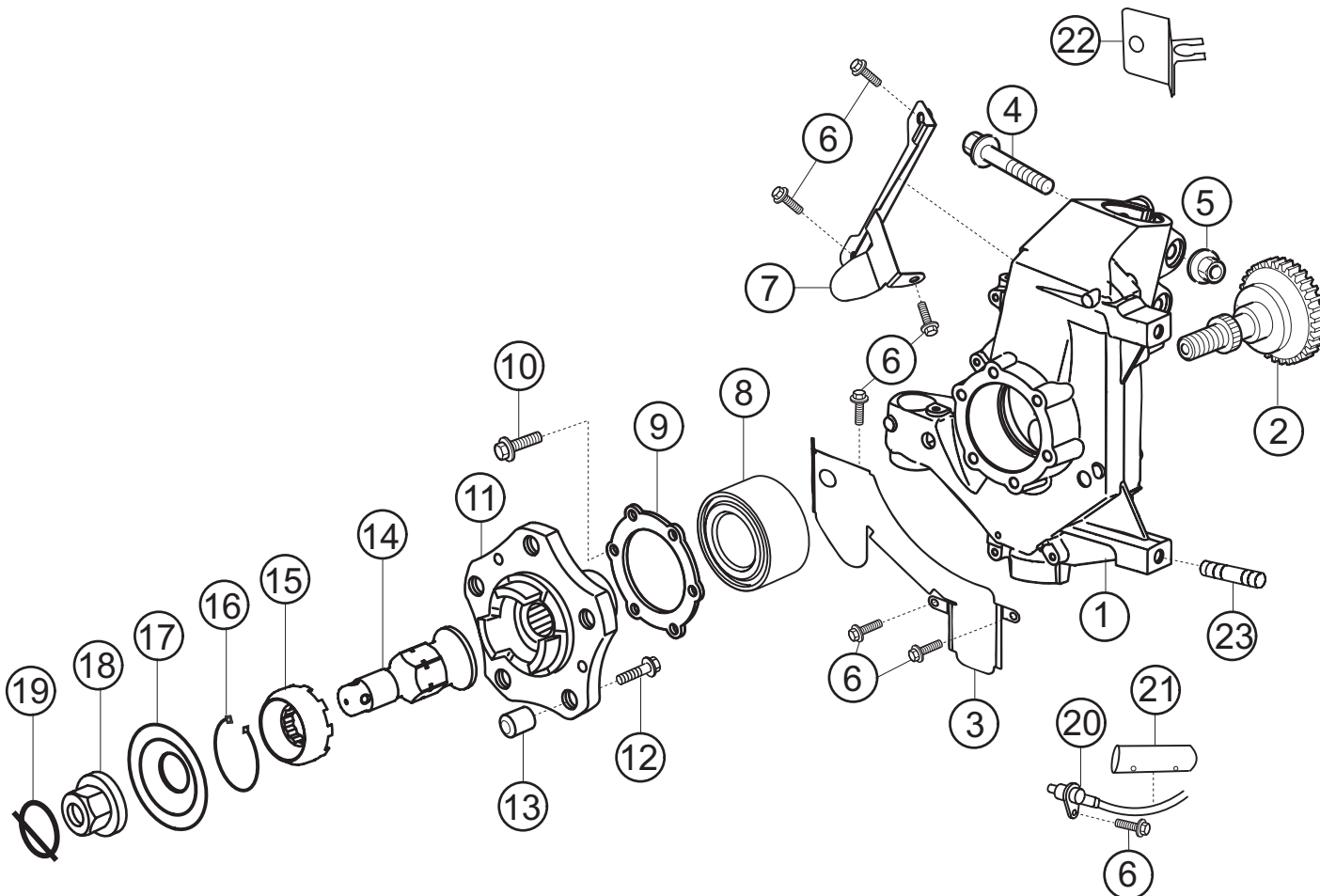
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Querträger cross member	1	997.341.081.06
2	6KT-SHR M14X1,5X50 hex screw M14X1,5X50	4	900.378.192.01
3	6KT-SHR M12X1,5X30 hex screw M12X1,5X30	4	999.072.047.01
4	Diagonalstrebe links diagonal brace left	R 1	997.504.433.00
5	Diagonalstrebe rechts diagonal brace right	R 1	997.504.433.90
6	EPRS-SHR M12X32 press-in screw M12X32	R 2	999.080.050.09
7	6KT-MU M12X1,5 hex nut M12X1,5	2	999.084.445.01
8	6KT-SHR M10X60 hex screw M10X60	4	900.378.098.01
9	Stegblech bridge	2	997.341.145.05
10	6KT-MU M10 hex nut M10	4	900.380.008.01
11	Festlager bearing flange	R 1	997.341.441.93
12	STIFT-SHR M8X42 stud M8X42	R 2	900.060.035.04
13	Sturzscheibe 10mm adjusting disk 10mm	R n.B.	996.341.543.95
14	Sturzscheibe 7mm camber disk 7mm	R n.B.	996.341.543.93
	Sturzscheibe 3mm camber disk 3mm	R n.B.	996.341.543.92
	Sturzscheibe 1mm camber disk 1mm	R n.B.	996.341.543.90
	Sturzscheibe 0,8mm camber disk 0,8mm	R n.B.	996.341.543.98
	Sturzscheibe 0,6mm camber disk 0,6mm	R n.B.	996.341.543.97
	Sturzscheibe 0,3mm camber disk 0,3mm	R n.B.	996.341.543.96
15	Distanzscheibe 8,5x17x6 spacer disk 8,5x17x6	2	999.025.269.02
16	6KT-MU M8 hex nut M8	2	900.076.064.02
17	6KT-SHR M14X1,5X75 10.9 hex screw M14X1,5X75 10.9	1	900.378.135.01
18	Querlenker links komplett wishbone assembly left	R 1	997.341.041.93
	Querlenker rechts komplett wishbone assembly right	R 1	997.341.042.93
			<b>04-01-00</b>

Vorderachse / front axle



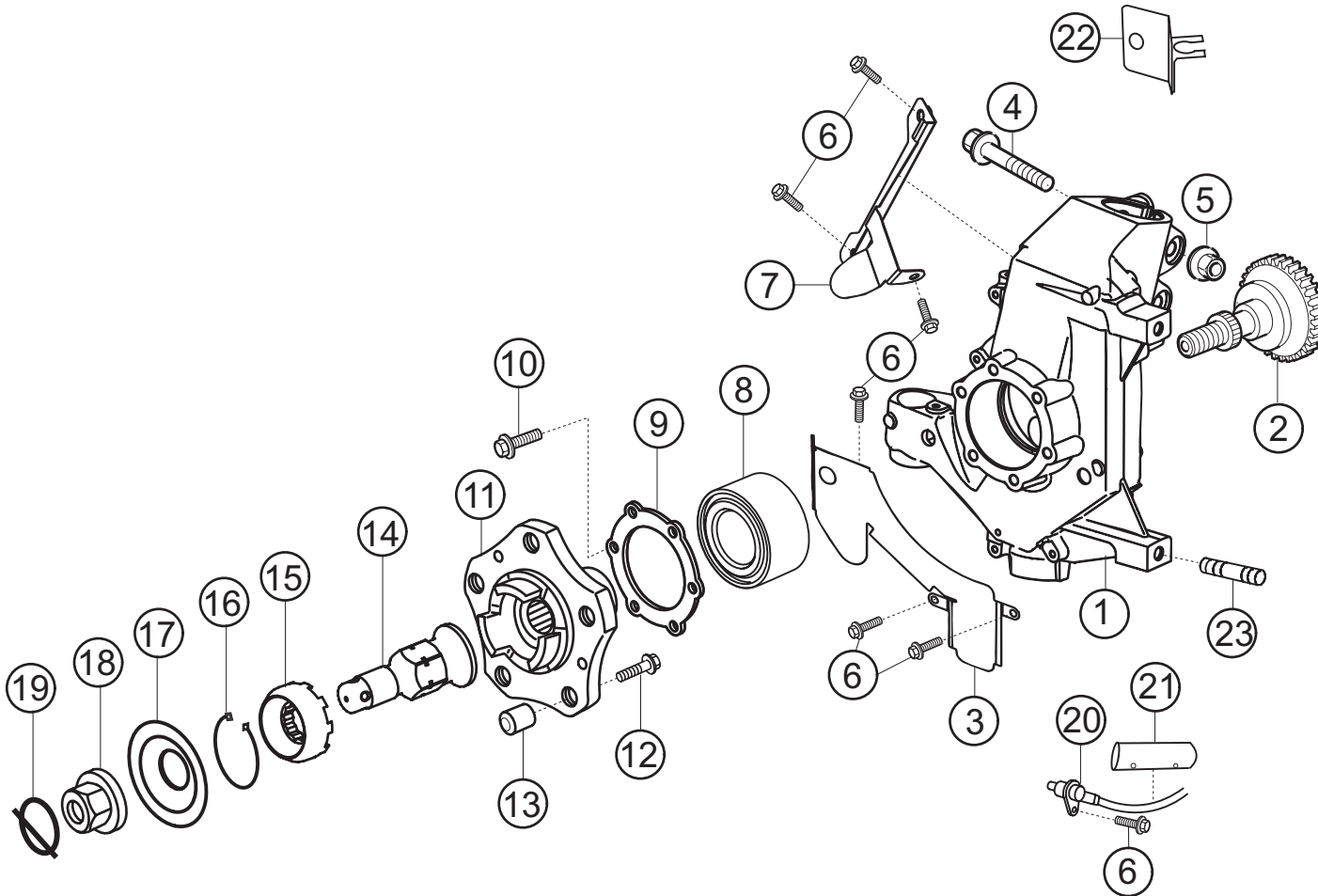
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## Radträger vorne / upright front



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Radträger links vormontiert <i>upright left assembly</i>	R 1	997.341.091.92
	Radträger links <i>upright left</i>	R 1	997.341.157.92
	Radträger rechts vormontiert <i>upright right assembly</i>	R 1	997.341.092.92
	Radträger rechts <i>upright right</i>	R 1	997.341.158.92
2	Spannbolzen <i>tensioning bolt</i>	R 1	996.341.131.90
3	Abdeckblech links unten <i>splash shield bottom left</i>	R 1	996.351.811.90
	Abdeckblech rechts unten <i>splash shield bottom right</i>	R 1	996.351.812.90
4	6KT-SHR M12X70 <i>hex screw M12X70</i>	1	900.378.138.01
5	6KT-MU M12 <i>hex nut M12</i>	2	999.084.445.01
6	KOMBI-SHR M6X16 <i>hex screw + washer M6X16</i>	7	999.217.116.01
7	Abdeckblech links oben <i>splash shield top left</i>	R 1	997.351.801.90
	Abdeckblech rechts oben <i>splash shield top right</i>	R 1	997.351.802.90
8	SH-Kugellager 42X80X42 <i>ball bearing 42X80X42</i>	1	999.053.054.05
9	Deckel Befestigung Radlager <i>cap for fixing wheel bearing</i>	R 1	996.341.661.90
10	6KT-SHR M8X35 <i>hex screw M8X35</i>	R 6	999.217.042.03
11	Radnabe <i>wheel hub</i>	R 1	997.341.605.90
12	6KT-SHR M8X30 <i>hex screw M8X30</i>	5	900.378.033.01
13	Mitnehmerbolzen <i>driving pin</i>	R 5	964.341.614.80
14	Zentralschraube <i>central bolt</i>	R 1	996.331.671.90
15	Sicherungstopf <i>lock pot</i>	R 1	964.341.675.70
16	Sicherungsring <i>lock ring</i>	R 1	900.041.041.01
17	Druckscheibe <i>pressure disk</i>	R 1	997.361.113.90
18	Radmutter <i>wheel nut</i>	R 1	964.361.675.70
19	Klappstecker <i>securing clip</i>	R 1	964.361.677.80

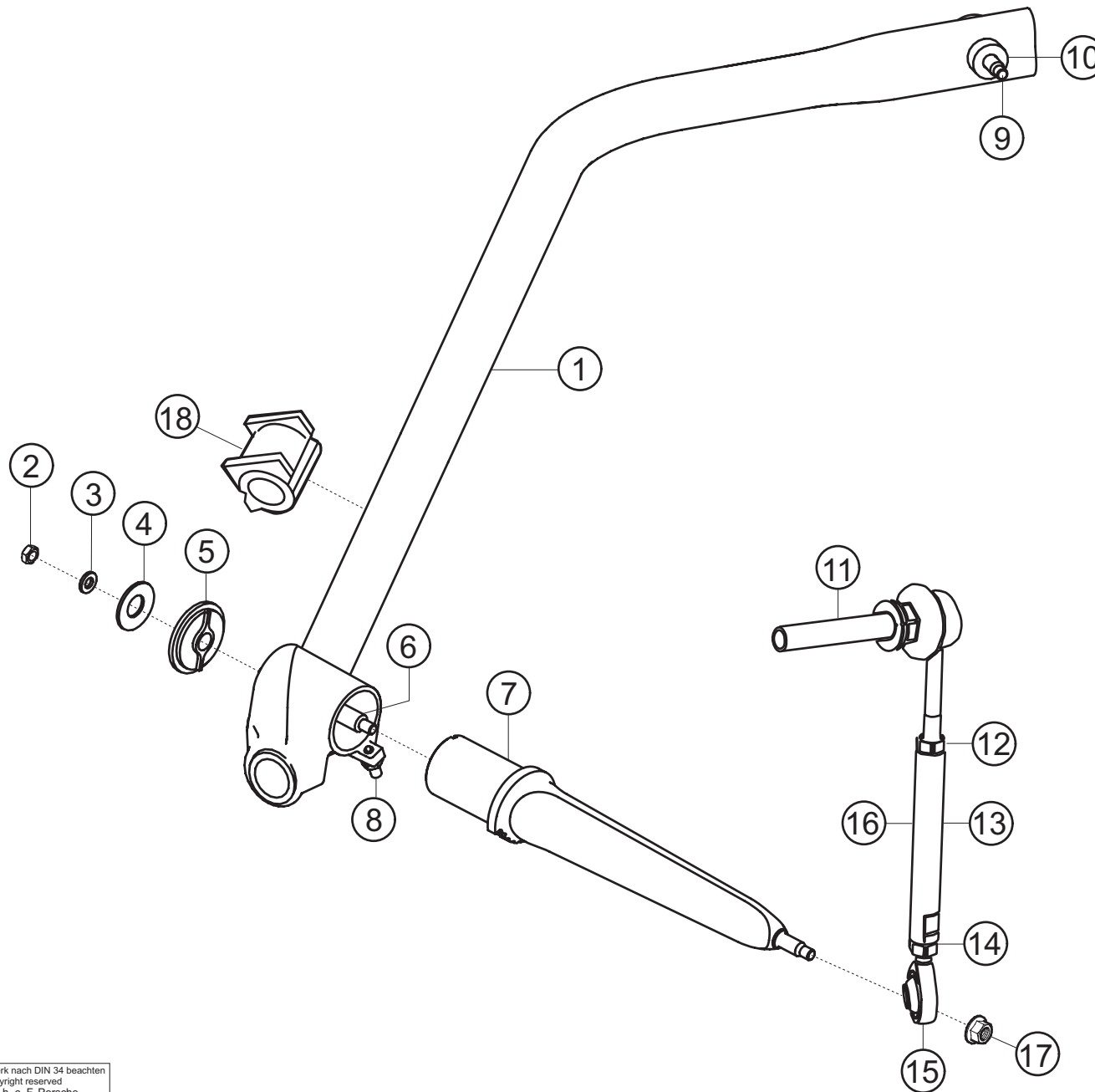
### Radträger vorne / upright front



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
20	Drehzahlsensor <i>speed sensor</i>	1	Kap.9 / chap. 9
21	Hitzschutz Drehzahlsensor links <i>heat protection left</i>	1	996.606.235.91
	Hitzschutz Drehzahlsensor rechts <i>heat protection right</i>	1	996.606.236.91
22	Halter ABS-Kabel links <i>support for ABS cable left</i>	1	996.341.321.71
	Halter ABS-Kabel rechts <i>support for ABS cable right</i>	1	996.341.322.71
23	STIFT-SHR M12x1,5 + M10x1,5 <i>stud M12x1,5 + M10x1,5</i>	R 2	999.061.003.02

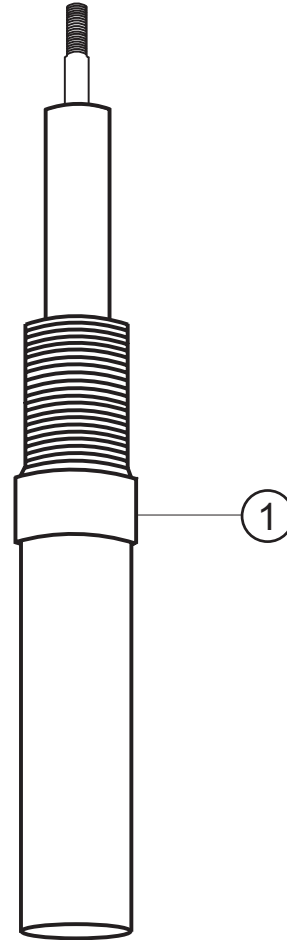
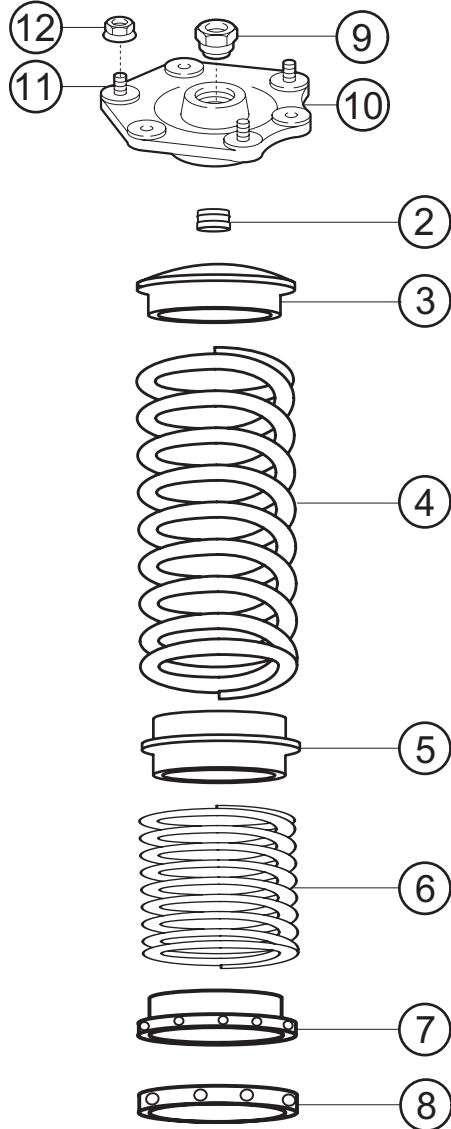
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Aktiengesellschaft

## Vorderachstabilisator / anti-roll bar front axle



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Stabilisator anti-roll bar	R 1	997.343.171.90
2	6KT-MU M6 hex nut M6	1	900.910.047.09
3	Scheibe disk	1	900.151.006.03
4	Tellerfeder disk spring	R 1	900.222.012.01
5	Deckel cap	R 1	997.343.723.90
6	Gewindebolzen bolt	R 1	997.343.733.90
7	Biegehebel bending lever	R 1	997.343.725.90
8	Federstift M6X20 pin M6X20	R 1	999.242.002.01
9	Bolzen bolt	R 1	997.343.735.90
10	Distanzbuchse spacer bush	R 1	997.343.737.90
11	Stabighänge oben roll-bar linkage top	R 1	997.343.170.9A
12	6KT-MU M8 LH hex nut M8 left	R 1	900.817.018.01
13	Gewinderohr threaded tube	R 1	997.343.175.90
14	6KT-MU M8 hex nut M8	R 1	900.817.019.01
15	Gelenkkopf swivel head	R 1	996.343.722.90
16	Stabighänge komplett roll-bar linkage assembly	R 2	997.343.070.91
17	6KT-MU M6 hex nut M6	R 2	900.817.001.02
18	Stabilisatorlager roll-bar bearing	R 2	997.343.792.92

### Federbein + Stützlager vorne / suspension strut + supporting mount front



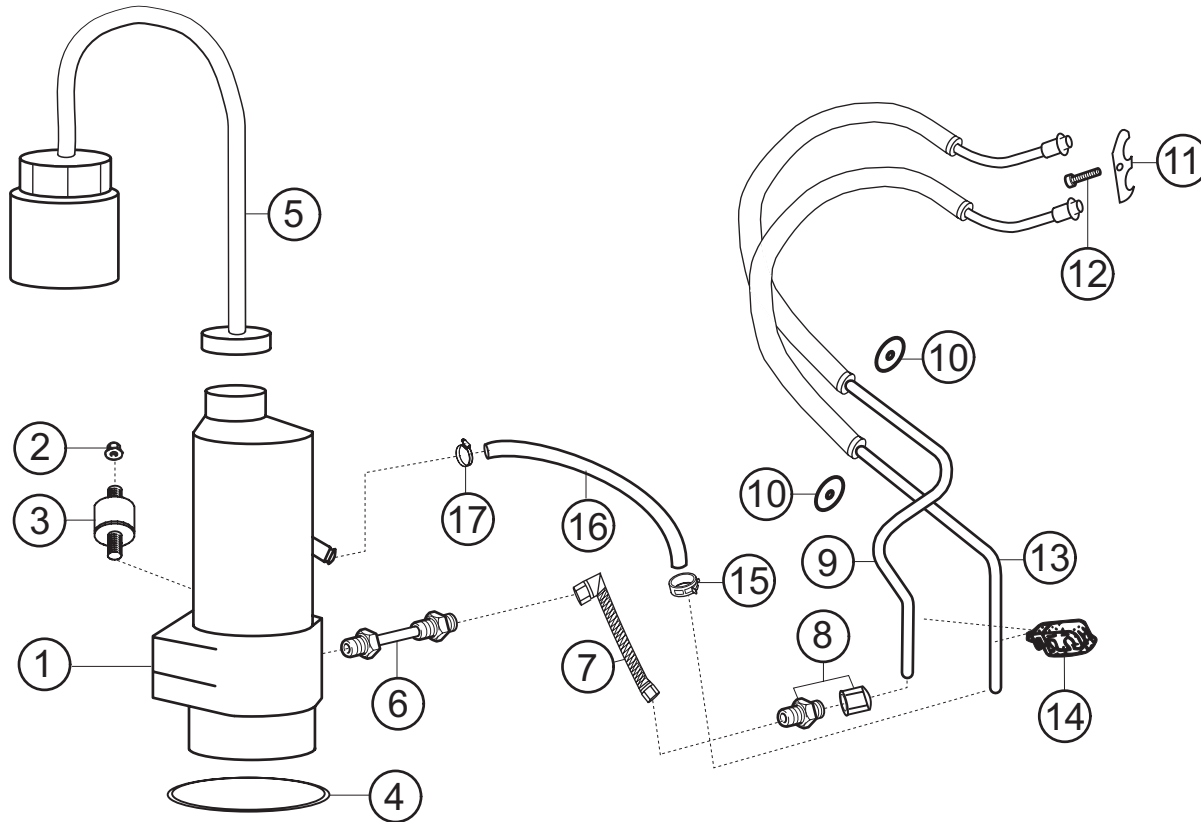
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Schwingungsdämpfer <i>shock absorber</i>	R 1	997.343.041.96
2	Distanzhülse <i>spacer sleeve</i>	R 1	996.343.563.9A
3	Federauflage <i>spring rest</i>	R 1	996.343.511.90
4	Hauptfeder <i>main spring</i>	R 1	997.343.531.90
5	Zwischenring <i>intermediate ring</i>	R 1	993.343.545.70
6	Hilfsfeder 75/60/43 <i>tender spring</i>	R 1	996.343.537.90
7	Federauflage unten <i>lower spring rest</i>	R 1	996.343.549.90
8	Kontermutter <i>counter-nut</i>	R 1	996.343.547.90
9	Mutterhülse <i>threaded bush</i>	R 1	997.343.561.90
10	Stützlager komplett mit Uniball <i>supporting mount assembly</i>	R 1	997.343.011.97
11	Einpressschrauben M8x24 <i>press-in screw M8x24</i>	R 3	999.080.021.09
12	BUND-MU M8 <i>collar nut M8</i>	R 3	999.084.447.01
o.B.	Federbein+Stützlager <i>suspension strut assembly</i>	R 2	997.343.031.97





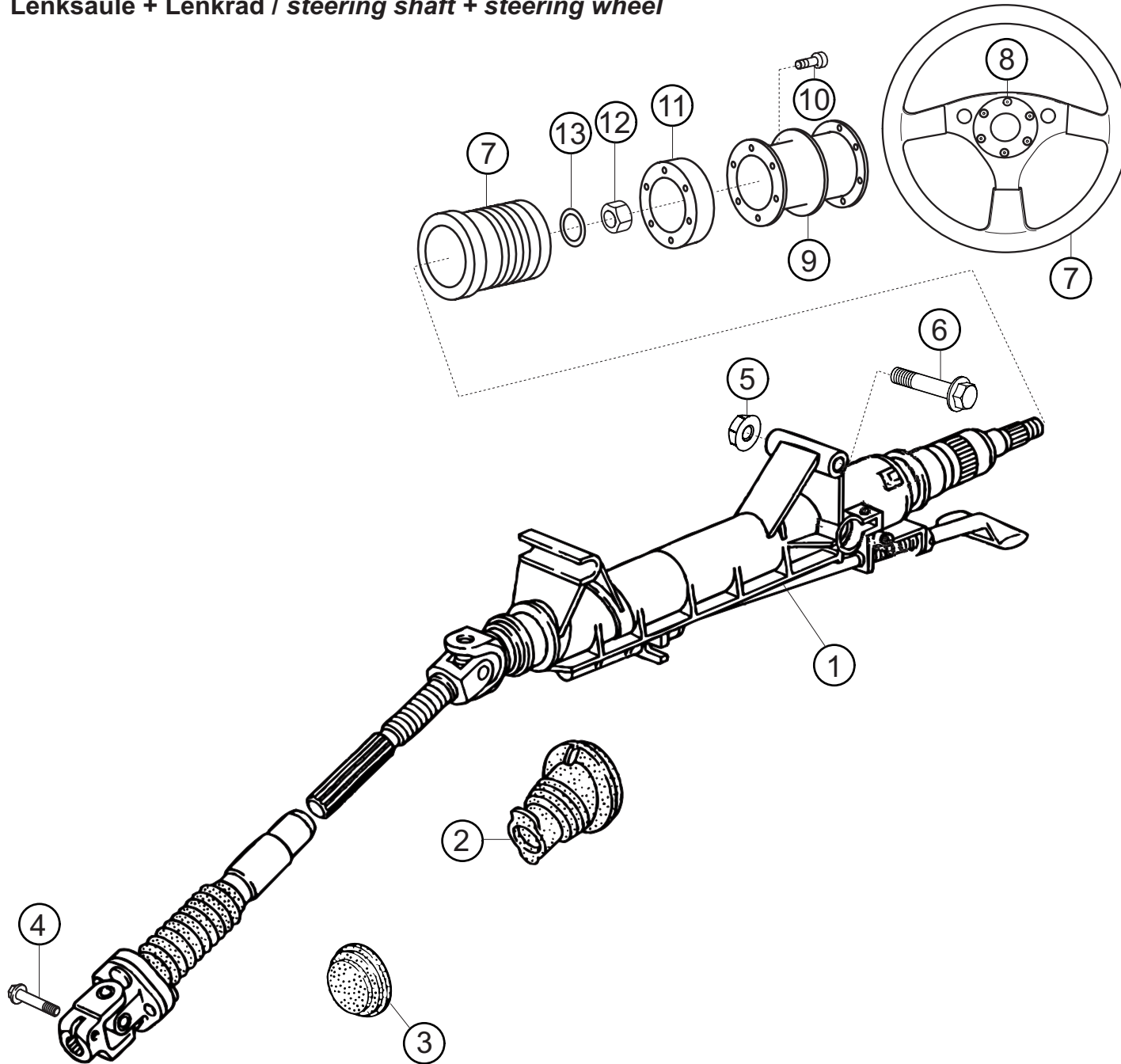
## Servolenkung / power steering

Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Servopumpe + Deckel <i>power-steering pump + cap</i>	R 1	997.314.005.92
2	6KT-MU M6 <i>hex nut M6</i>	2	900.380.015.01
3	Silentblock <i>silentblock</i>	R 2	999.703.486.00
4	Dämpfungsgummi <i>rubber disk</i>	R 1	996.314.759.9B
5	Deckel komplett incl. Catchtank <i>cap assembly incl. catchtank</i>	R 1	997.314.090.9A
6	Rohranschluß Lenkung <i>connecting piece</i>	R 1	997.347.157.9B
7	Druckschlauch <i>pressure hose</i>	R 1	997.347.455.91
8	Adapter 06M-R010 <i>adapter 06M-R010</i>	R 1	996.347.559.9A
9	Druckrohr <i>pressure tube</i>	R 1	997.347.545.90
10	Gummitülle <i>rubber grommet</i>	R 2	997.347.587.90
11	Haltegabel <i>fastening element</i>	1	996.347.769.01
12	ZYL-SHR M10X20 <i>fillister screw M10X20</i>	1	900.067.063.03
13	Rücklaufleitung <i>return line</i>	R 1	997.347.555.90
14	Leitungshalter <i>line clip</i>	1	996.347.543.00
15	Schlauchklemme <i>hose clamp</i>	1	999.512.463.00
16	Schlauchstück <i>rubber hose</i>	R 1	996.106.135.9A
17	Schlauchselle <i>hose clamp</i>	1	999.512.651.09
o.B.	Kantschutz für Lenkungsleitung <i>edge-protector for steering lines</i>	n.B.	477.867.367





Lenksäule + Lenkrad / steering shaft + steering wheel

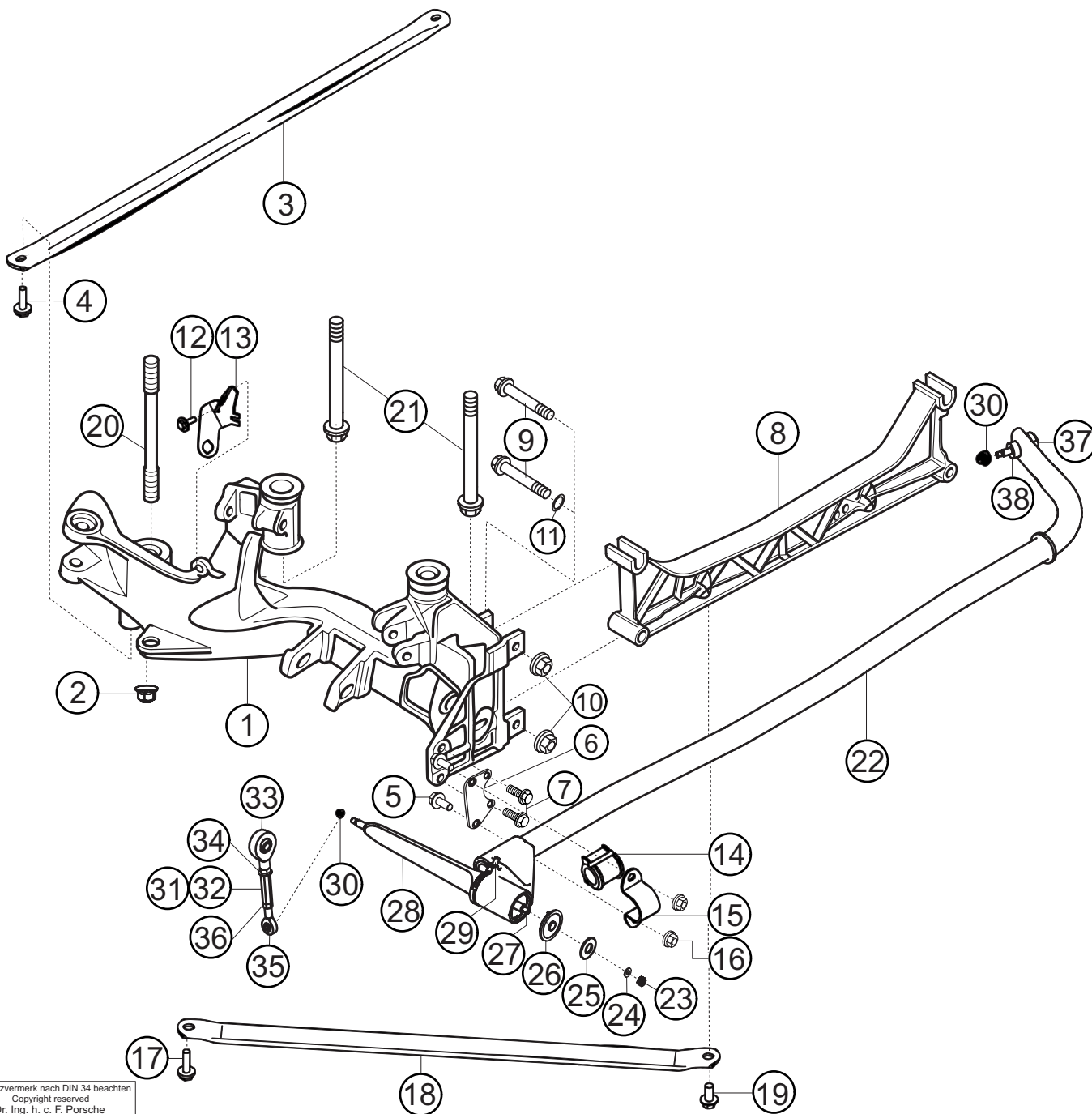


Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Lenksäule <i>steering column</i>	1	996.347.007.05
2	Faltenbalg <i>rubber bellow</i>	1	986.347.037.01
3	Dichtgummi <i>rubber seal</i>	1	996.347.339.02
4	6KT-SHR M8X35 10.9 <i>hex screw M8X35 10.9</i>	1	999.217.042.03
5	6KT-MU M10 <i>hex nut M10</i>	1	900.380.008.01
6	6KT-SHR M10X100 <i>hex screw M10X100</i>	1	900.378.095.01
7	Lenkrad mit Nabe <i>steering wheel + hub</i>	R 1	997.347.084.90
8	SENK-SHR M5X12 <i>countersunk screw M5X12</i>	10	900.249.034.02
9	Schnelltrennkupplung <i>quick fastener</i>	R 1	997.347.285.91
10	ZYL-SHR M5X35 <i>fillister screw M5X35</i>	R 10	900.067.425.01
11	Distanzring <i>spacer ring</i>	R 1	997.347.287.90
12	6KT-MU M16X1,5 <i>hex nut M16X1,5</i>	1	900.078.006.01
13	Federscheibe B16 <i>spring washer B16</i>	R 2	900.028.020.01

**Hinterachse / Rear axle**

- Hinterachse Seitenteil / *rear axle side-carrier*
- Hinterachse / *rear axle*
- Radträger hinten / *rear upright*
- Federbein + Stützlager hinten / *rear suspension-strut + supporting mount*
- Gelenkwelle / *articulated shaft*

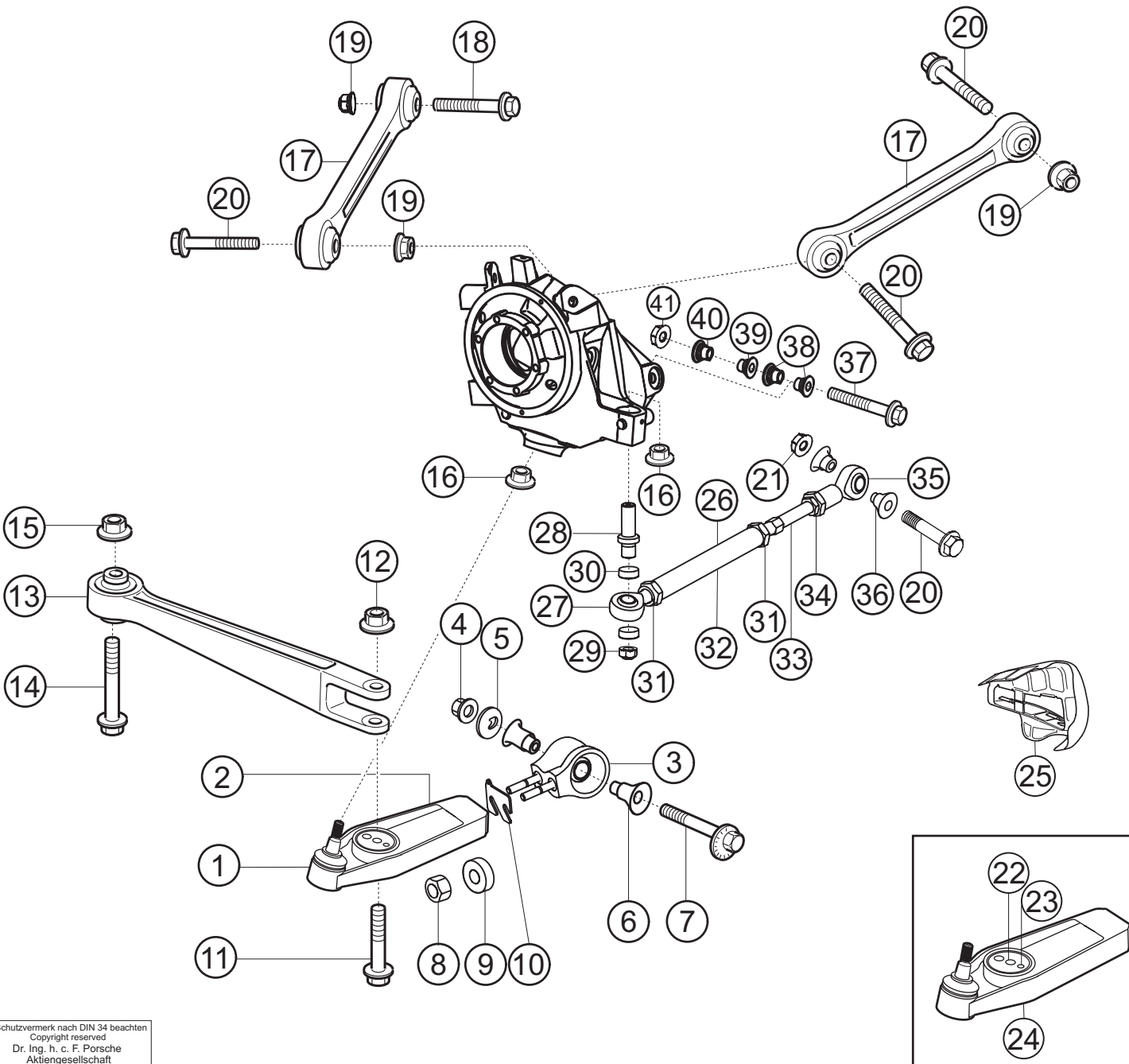
## Hinterachse Seitenteil / rear axle side-carrier



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Seitenteil links mit Büchsen <i>side member left + bush</i>	R 1	997.331.051.9A
	Seitenteil rechts mit Büchsen <i>side member right + bush</i>	R 1	997.331.052.9A
2	6KT-MU M12X1,5 <i>hex nut M12X1,5</i>	1	999.084.445.01
3	Querstrebe vorne <i>front cross strut</i>	1	996.331.171.03
4	KOMBI-SHR M10X45 <i>hex screw+washer M10X45</i>	1	999.072.031.09
5	ZYL-SHR M10X18 <i>fillister screw M10X18</i>	4	900.067.046.02
6	Konsolenblech <i>support panel</i>	R 2	996.333.775.9A
7	LI-SHR M8X20 <i>oval-head screw M8X20</i>	R 4	964.501.804.00
8	Querträger <i>cross member</i>	1	997.331.261.02
9	6KT-SHR M12X80 <i>hex screw M12X80</i>	4	900.378.139.01
10	MU M12X1,5 <i>nut M12X1,5</i>	4	999.084.445.01
11	U-SHB 12,4X24X3,0 <i>plain washer 12,4X24X3,0</i>	2	999.025.212.09
12	KOMBI-SHR M6X16 <i>hex screw+washer M6X16</i>	1	900.075.355.01
13	Bremsschlauchhalter links <i>holder for brake hose left</i>	1	997.355.505.02
	Bremsschlauchhalter rechts <i>holder for brake hose right</i>	1	997.355.506.02
14	Stabilager <i>roll bar bearing</i>	R 2	997.333.792.92
15	Lagerschelle <i>clamp for roll bar bearing</i>	2	996.343.777.01
16	6KT-MU M10 <i>hex nut M10</i>	4	900.817.003.02
17	6KT-SHR M12X40 <i>hex screw M12X40</i>	1	999.073.443.01
18	Diagonalstrebe <i>diagonal brace</i>	R 2	997.331.081.91
19	6KT-SHR M12X30 <i>hex screw M12X30</i>	1	900.378.072.01
20	Stiftschraube M12X97 <i>stud M12X97</i>	1	999.061.103.01
21	6KT-SHR M12X1,5X130 <i>hex screw M12X1,5X130</i>	2	900.178.010.01
22	Stabilisator <i>anti roll-bar</i>	R 1	997.333.171.90



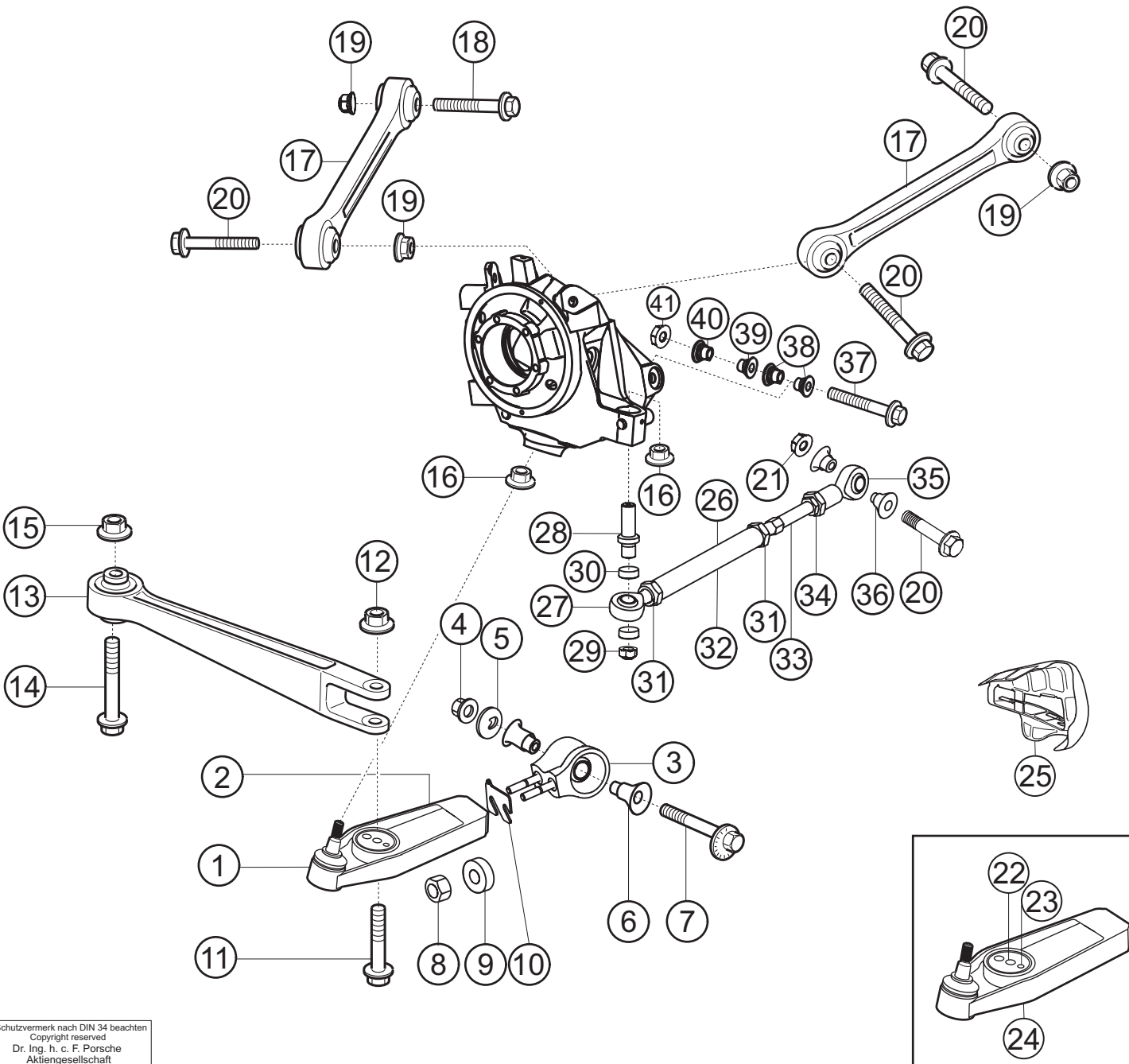
## Hinterachse / rear axle



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Querlenker links komplett <i>wishbone assembly left</i>	R 1	997.331.041.93
	Querlenker rechts komplett <i>wishbone assembly right</i>	R 1	997.331.042.93
2	Querlenker außen <i>wishbone outside</i>	R 1	997.341.161.90
3	Festlager komplett <i>fixed bearing assembly</i>	R 1	997.331.441.9B
4	6KT-MU M12 <i>hex nut M12</i>	1	999.084.445.01
5	Exzentrerscheibe <i>eccentric washer</i>	1	996.331.219.00
6	Distanzbüchse <i>spacer sleeve</i>	R 2	996.341.551.93
7	Exzentrerschraube M12X100 <i>eccentric screw M12X100</i>	1	996.331.217.03
8	6KT-MU M8 <i>hex nut M8</i>	2	900.076.064.02
9	Scheibe 8,5X17X6 <i>disk 8,5X17X6</i>	2	999.025.269.02
10	Sturzscheibe 1mm <i>camber plate 1mm</i>	R n.B.	996.341.543.90
	Sturzscheibe 2mm <i>camber plate 2mm</i>	R n.B.	996.341.543.91
	Sturzscheibe 10mm <i>camber plate 10mm</i>	R n.B.	996.341.543.95
	Sturzscheibe 0,3mm <i>camber plate 0,3mm</i>	R n.B.	996.341.543.96
	Sturzscheibe 0,6mm <i>camber plate 0,6mm</i>	R n.B.	996.341.543.97
11	6KT-SHR M14X75 <i>hex screw M14X75</i>	1	900.378.135.01
12	6KT-MU M14X1,5 <i>hex nut 14X1,5</i>	1	900.380.012.01
13	Längslenker <i>trailing arm</i>	1	997.331.043.01
14	6KT-SHR M14X100 <i>hex screw M14X100</i>	1	900.378.051.01
15	6KT-MU M14X1,5 <i>hex nut M14X1,5</i>	1	900.380.012.01
16	6KT-MU M12X1,5 <i>hex nut M12X1,5</i>	2	999.084.449.09
17	Querlenker oben komplett <i>wishbone assembly on top</i>	2	997.331.047.00
18	6KT-SHR M12X100 <i>hex screw M12X100</i>	1	900.378.088.01
19	6KT-MU M12X1,5 <i>hex nut M12X1,5</i>	3	999.084.445.01

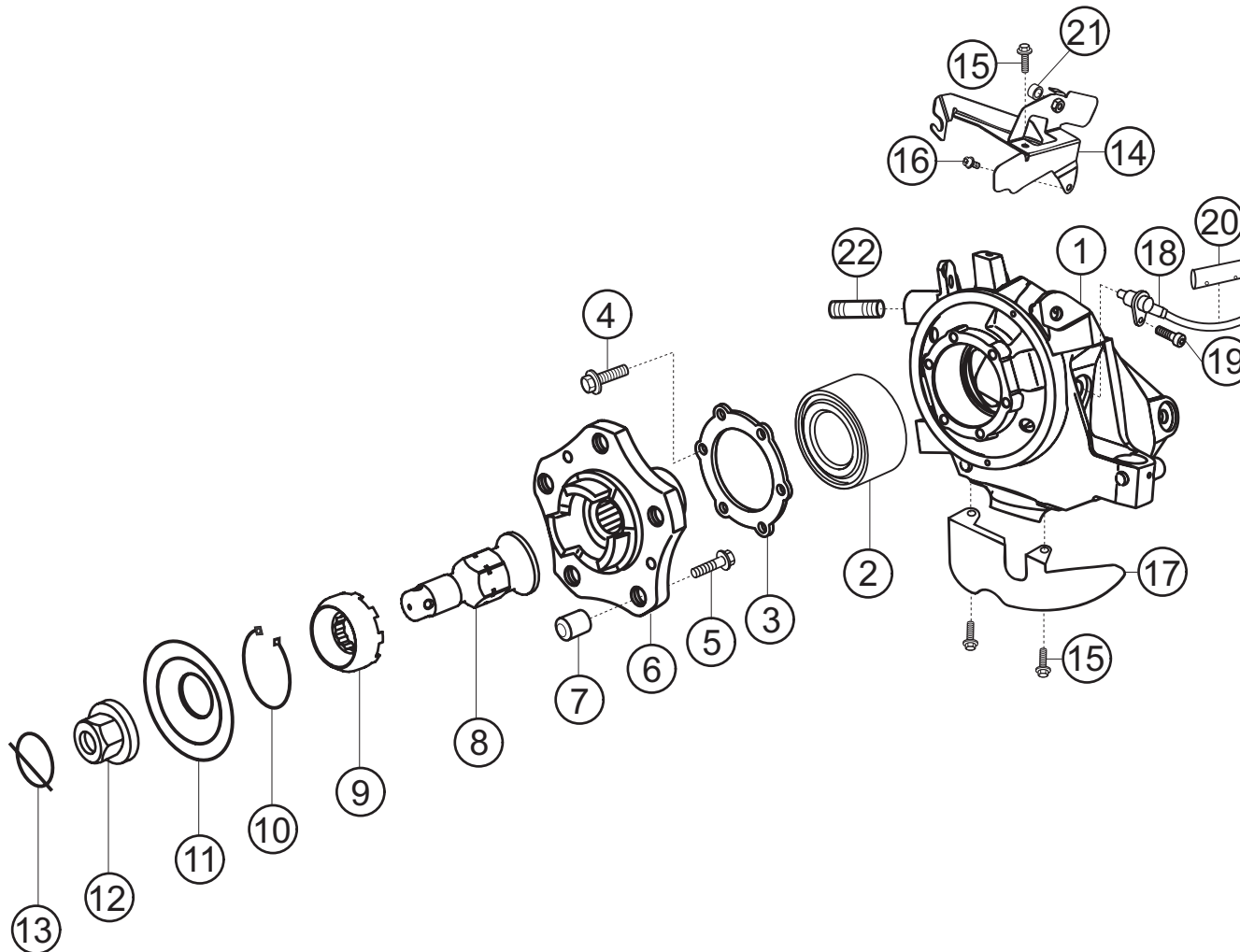


## Hinterachse / rear axle



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
20	6KT-SHR M12X70 <i>hex screw M12X70</i>	4	900.378.138.01
21	6KT-MU M12 <i>hex nut M12</i>	1	999.084.445.01
22	Strebenlager starr <i>mount for brace</i>	R 2	997.341.244.9A
23	LINSEN-SHR M5X16 <i>oval head screw M5X16</i>	R 1	900.623.001.00
24	6KT-MU M5 <i>hex nut M5</i>	R 2	900.817.005.02
25	Bremsluftspoiler links <i>brake air-guide left</i>	R 1	997.331.487.92
	Bremsluftspoiler rechts <i>brake air-guide right</i>	R 1	997.331.488.92
26	Spurstange komplett <i>track rod assembly</i>	R 1	997.347.031.90
27	Gelenkkopf <i>swivel head</i>	R 1	999.593.128.00
28	Lagerzapfen <i>bearing journal</i>	R 1	996.347.233.91
29	6KT-MU M14X1,5 <i>hex nut M14X1,5</i>	1	999.084.014.02
30	Distanzscheibe <i>spacer disk</i>	R 2	996.347.235.91
31	6KT-MU M14X1,5 <i>hex nut M14X1,5</i>	2	999.034.037.09
32	Gewindehülse <i>threaded sleeve</i>	R 1	996.331.231.91
33	Gewindebolzen <i>threaded bolt</i>	R 1	997.331.333.90
34	6KT-MU M14 <i>hex nut M14</i>	1	999.076.032.02
35	Gelenkkopf <i>swivel head</i>	R 1	999.593.076.01
36	Distanzhülse <i>spacer bush</i>	R 2	996.331.373.9A
37	6KT-SHR M12X1,5X110 <i>hex screw M12X1,5X110</i>	1	999.072.003.09
38	Distanzhülse Federbein <i>distance sleeve suspens. strut</i>	R 2	997.333.541.90
39	Distanzhülse Stabigehänge <i>distance sleeve roll-bar linkage</i>	R 1	997.333.545.90
40	Distanzhülse Stabigehänge <i>distance sleeve roll-bar linkage</i>	R 1	997.333.543.90
41	6KT-MU M12 <i>hex nut M12</i>	R 1	900.360.002.09

## Radträger / upright

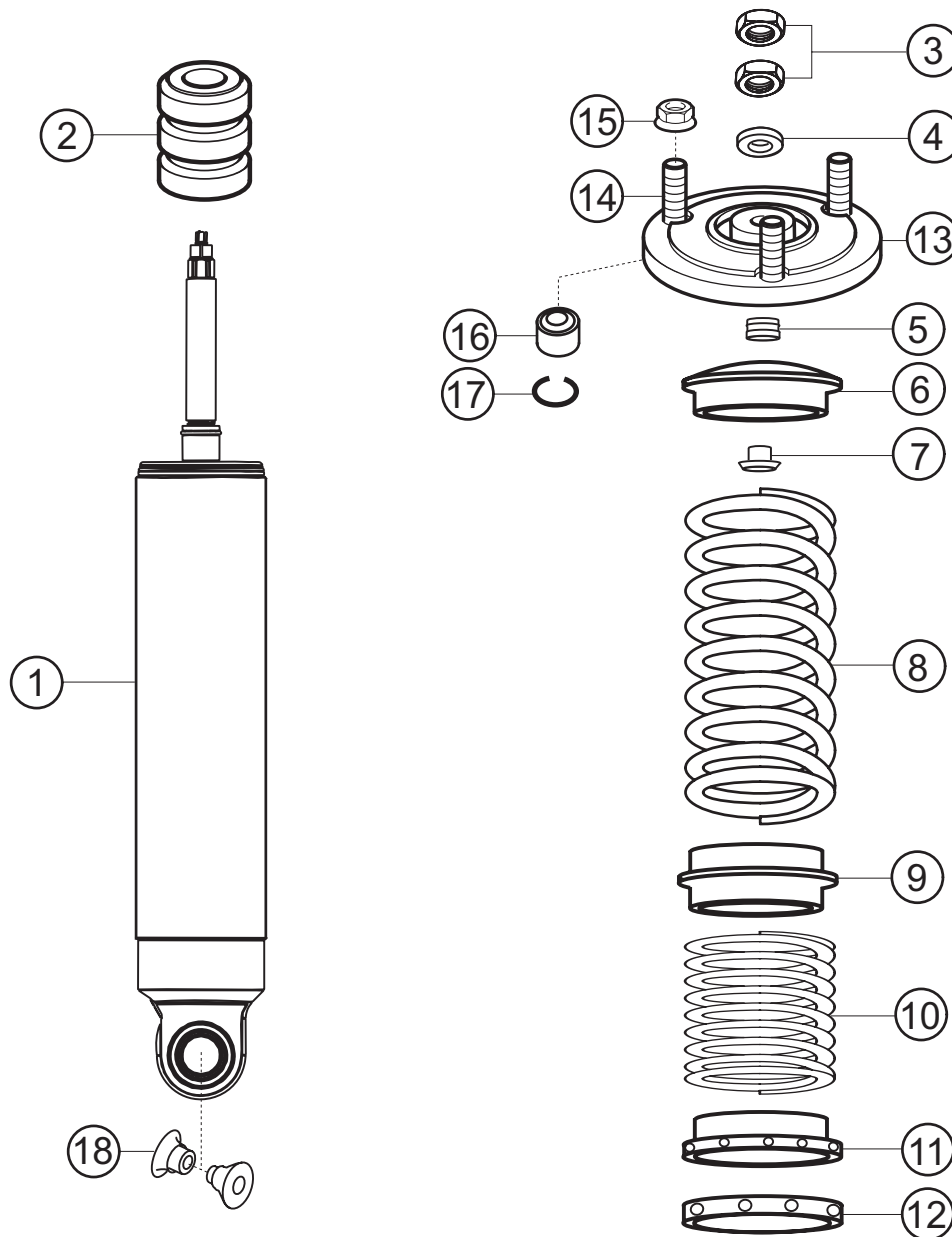


Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Radträger links vormontiert <i>upright left assembly</i>	R 1	997.331.091.94
	Radträger links <i>upright left</i>	R 1	996.331.111.9H
	Radträger rechts vormontiert <i>upright right assembly</i>	R 1	997.331.092.94
	Radträger rechts <i>upright right</i>	R 1	996.331.112.9H
2	Schrägkugellager <i>angular ball bearing</i>		999.053.055.02
3	Radlagerdeckel <i>cap for ball bearing</i>	R 1	996.341.661.90
4	6KT-SHR M8X35 <i>hex screw M8X35</i>	R 6	999.217.042.03
5	6KT-SHR M8X30 <i>hex screw M8X30</i>		900.378.033.01
6	Radnabe <i>wheel hub</i>	R 1	997.331.605.90
7	Mitnehmerbolzen <i>driving pin</i>	R 5	964.341.614.80
8	Zentralschraube <i>central bolt</i>	R 1	996.331.671.90
9	Sicherungstopf <i>lock pot</i>	R 1	964.341.675.70
10	Sicherungsring 34x1,5 <i>circlip 34x1,5</i>	R 1	900.041.041.01
11	Druckscheibe <i>pressure disk</i>	R 1	997.361.113.90
12	Radmutter <i>wheel nut</i>	R 1	964.361.675.70
13	Klappstecker <i>securing clip</i>	R 1	964.361.677.80
14	Bremsschutzblech oben links <i>brake protection plate top left</i>	R 1	997.352.801.90
	Bremsschutzblech oben rechts <i>brake protection plate top right</i>	R 1	997.352.802.90
15	6KT-SHR M6X16 <i>hex screw M6X16</i>	3	999.217.116.01
16	FL-KPF-SHR M6X12 <i>oval-head screw M6X12</i>	1	900.623.007.00
17	Bremsschutzblech unten links <i>brake protec.plate bottom left</i>	R 1	996.352.811.90
	Bremsschutzblech unten rechts <i>brake protec. plate bottom right</i>	R 1	996.352.812.90
18	Drehzahlfühler <i>speed sensor</i>	R 1	Kap. 9 / chap. 9
19	ZYL-SHR M6X16 <i>fillister screw M6X16</i>	1	900.067.117.04





Federbein + Stützlager hinten / *suspension strut + supporting mount rear*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Schwingungsdämpfer <i>shock absorber</i>	R 1	997.333.051.92
2	Federanschlag <i>bump stop</i>	R 1	997.333.677.90
3	Kontermutter M12X1 <i>counternut</i>	R 2	997.343.785.9A
4	Distanzring <i>spacer ring</i>	R 1	964.333.468.70
5	Distanzhülse <i>spacer sleeve</i>	R 1	997.343.563.90
6	Federauflage <i>spring rest</i>	R 1	996.343.511.90
7	Büchse <i>bushing</i>	R 1	964.333.466.85
8	Hauptfeder 130-260 <i>main spring 130-260</i>	R 1	996.333.531.90
9	Zwischenring <i>intermediate ring</i>	R 1	993.343.545.70
10	Zusatzfeder 60-60-50 <i>tender spring 60-60-50</i>	R 1	996.333.537.90
11	Federauflage unten <i>lower spring rest</i>	R 1	996.343.549.90
12	Kontermutter <i>counter-nut</i>	R 1	996.343.547.90
13	Stützlager komplett mit Uniball <i>supporting mount ass.+uniball</i>	R 1	997.333.011.90
14	EINPR.-SHR M10x30 10.9 <i>press-in screw M10x30 10.9</i>	R 3	999.080.033.01
15	6KT-MU M10 <i>hex nut M10</i>	3	900.380.008.01
16	Gelenklager <i>spherical bearing</i>	R 1	9R1.331.779.00
17	Sicherungsring 35x1,5 <i>securing ring 35x1,5</i>	1	999.152.049.01
18	Distanzhülse <i>distance sleeve</i>	R 2	997.333.541.90
o.B.	Federbein komplett <i>suspension strut assembly</i>	R 1	997.333.055.93

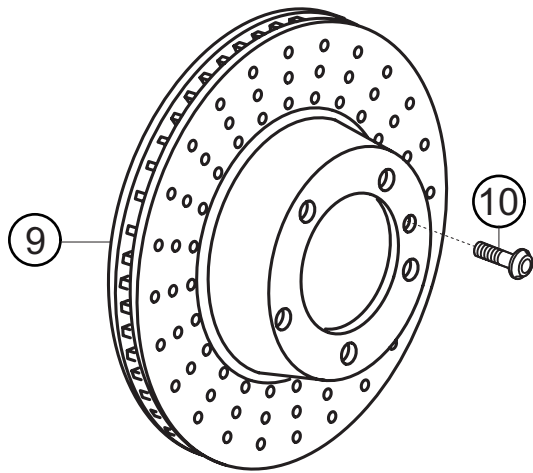


**Räder und Bremsen / wheels and brakes**

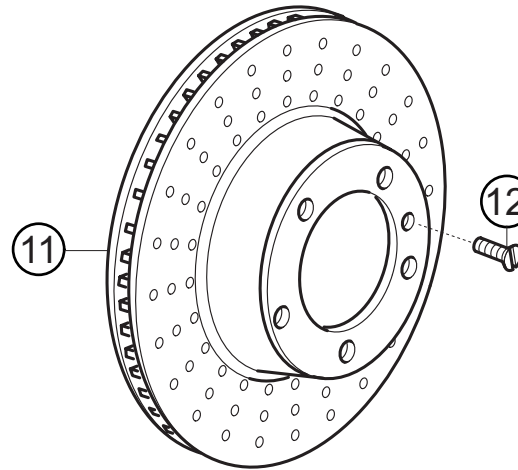
- Räder / *wheels*
- Bremse Vorderrachse / *brake front*
- Bremse Hinterachse / *brake rear*
- Waagebalken / *brake adjustment*
- Bremsleitungen vorne / *brake lines front*
- Bremsleitungen hinten / *brake lines rear*



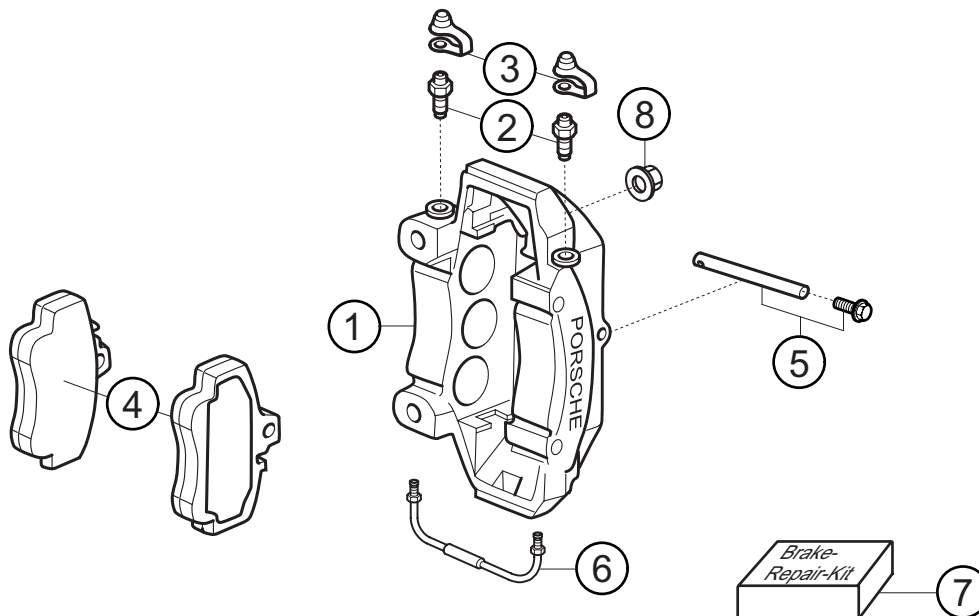
## Bremse Vorderachse / brake front



STANDARD

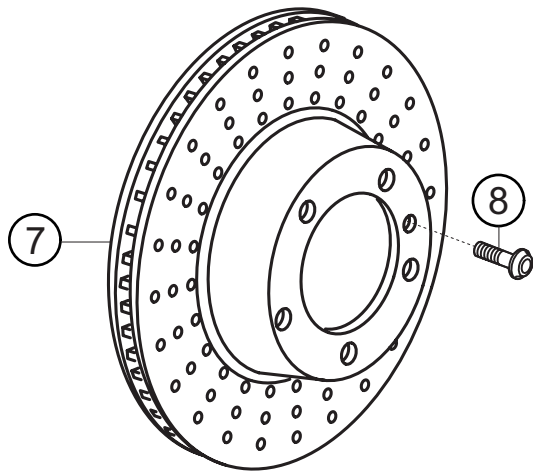


PCCB

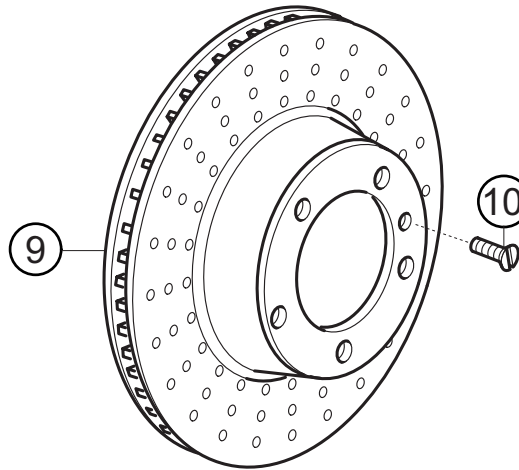


Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Bremssattel links rot <i>brake caliper left red</i>	R 1	997.351.431.90
	Bremssattel rechts rot <i>brake caliper right red</i>	R 1	997.351.432.90
	Bremssattel links gelb PCCB <i>brake caliper left yellow PCCB</i>	R 1	997.351.431.91
	Bremssattel rechts gelb PCCB <i>brake caliper right yellow PCCB</i>	R 1	997.351.432.91
2	Entlüftungsrippel <i>ventilation nipple</i>	2	930.351.919.00
3	Staubkappe <i>dust cap</i>	2	930.351.927.00
4	Bremsbeläge hellgrün P50 <i>brake pad P50</i>	R 4	996.351.940.93
	Bremsbeläge hellgrün P50 PCCB <i>brake pad P50 PCCB</i>	R 4	996.351.940.92
5	Befestigungssatz <i>attachment set</i>	R 1	997.351.959.30
6	Verbindungsleitung <i>connecting line</i>	R 1	997.351.961.91
7	Rep.Satz Dichtringe und Kolben <i>rep.kit sealing rings + pistons</i>	R 1	997.351.959.91
8	6KT-MU M10 <i>hex nut M10</i>	R 2	999.076.083.01
9	Verbundgussbremsscheibe links <i>composite cast brake disk left</i>	R 1	997.351.409.92
	Verbundgussbremsscheibe rechts <i>composit cast brake disk right</i>	R 1	997.351.410.92
10	Schraube M6x12 8.8 <i>screw M6x12 8.8</i>	2	999.015.025.09
11	Bremsscheibe PCCB links kompl. <i>brake disk assembly PCCB left</i>	R 1	997.351.031.94
	Bremsscheibe PCCB rechts kpl. <i>brake disk assembly PCCB right</i>	R 1	997.351.032.94
12	Schraube M6x12 8.8 <i>screw M6x12 8.8</i>	2	900.269.047.01
o.B.	Fixierung Einsatz am Kolben <i>fixation insert on piston</i>	R 6	997.352.086.91

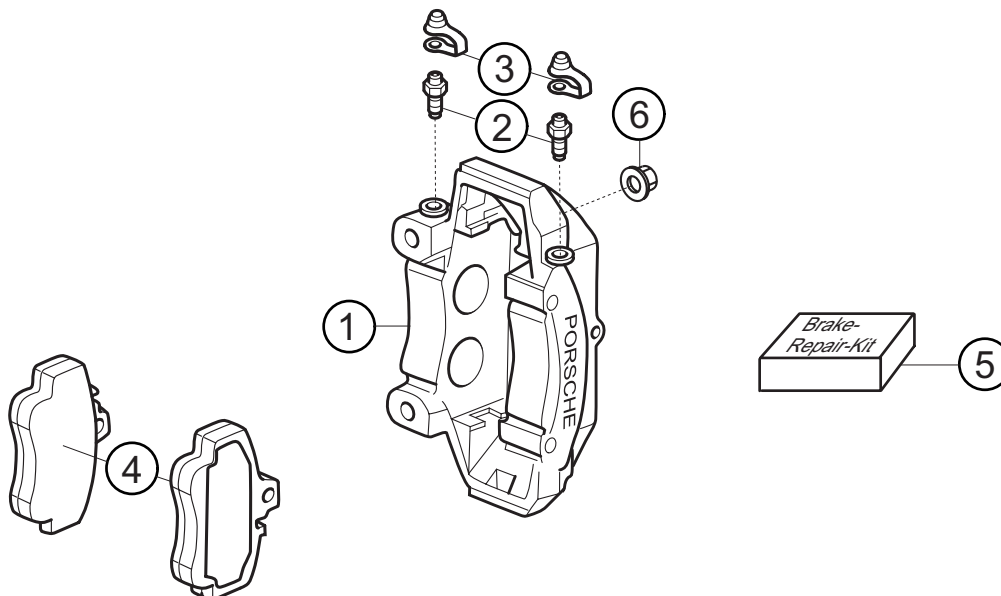
## Bremse Hinterachse / brake rear



STANDARD



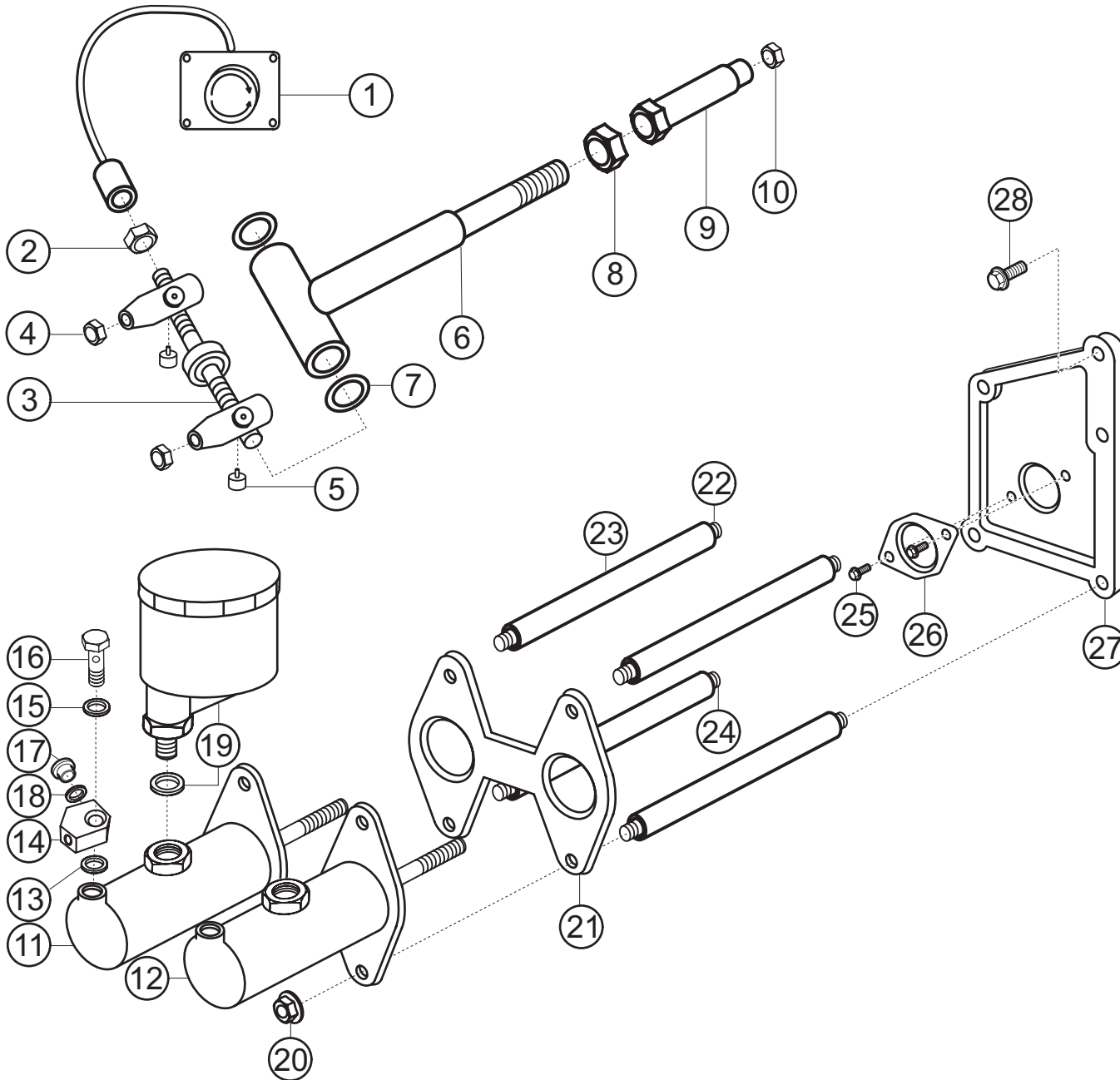
PCCB



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Bremssattel links rot <i>brake caliper left red</i>	R 1	997.352.457.90
	Bremssattel rechts rot <i>brake caliper right red</i>	R 1	997.352.458.90
	Bremssattel links gelb PCCB <i>brake caliper left yellow PCCB</i>	R 1	997.352.457.91
	Bremssattel rechts gelb PCCB <i>brake caliper right yellow PCCB</i>	R 1	997.352.458.91
2	Entlüftungsnippel <i>ventilation nipple</i>	2	930.351.919.00
3	Staubkappe <i>dust cap</i>	2	930.351.927.00
4	Bremsbeläge <i>brake pad</i>	R 4	997.352.930.92
5	Rep.Satz Dichtringe und Kolben <i>rep.kit sealing rings + pistons</i>	R 1	997.352.959.91
6	6KT-MU M10 <i>hex nut M10</i>	R 2	999.076.083.01
7	Bremsscheibe links <i>brake disk left</i>	R 1	997.352.405.91
	Bremsscheibe rechts <i>brake disk right</i>	R 1	997.352.406.91
8	Schraube M6x12 <i>screw M6x12</i>	2	999.015.025.09
9	Bremsscheibe PCCB links <i>brake disk PCCB left</i>	R 1	997.352.031.92
	Bremsscheibe PCCB rechts <i>brake disk PCCB right</i>	R 1	997.352.032.92
10	Schraube M6x12 <i>screw M6x12</i>	2	900.269.047.01
o.B.	Fixierung Einsatz am Kolben <i>fixation insert on piston</i>	R 6	997.352.086.91



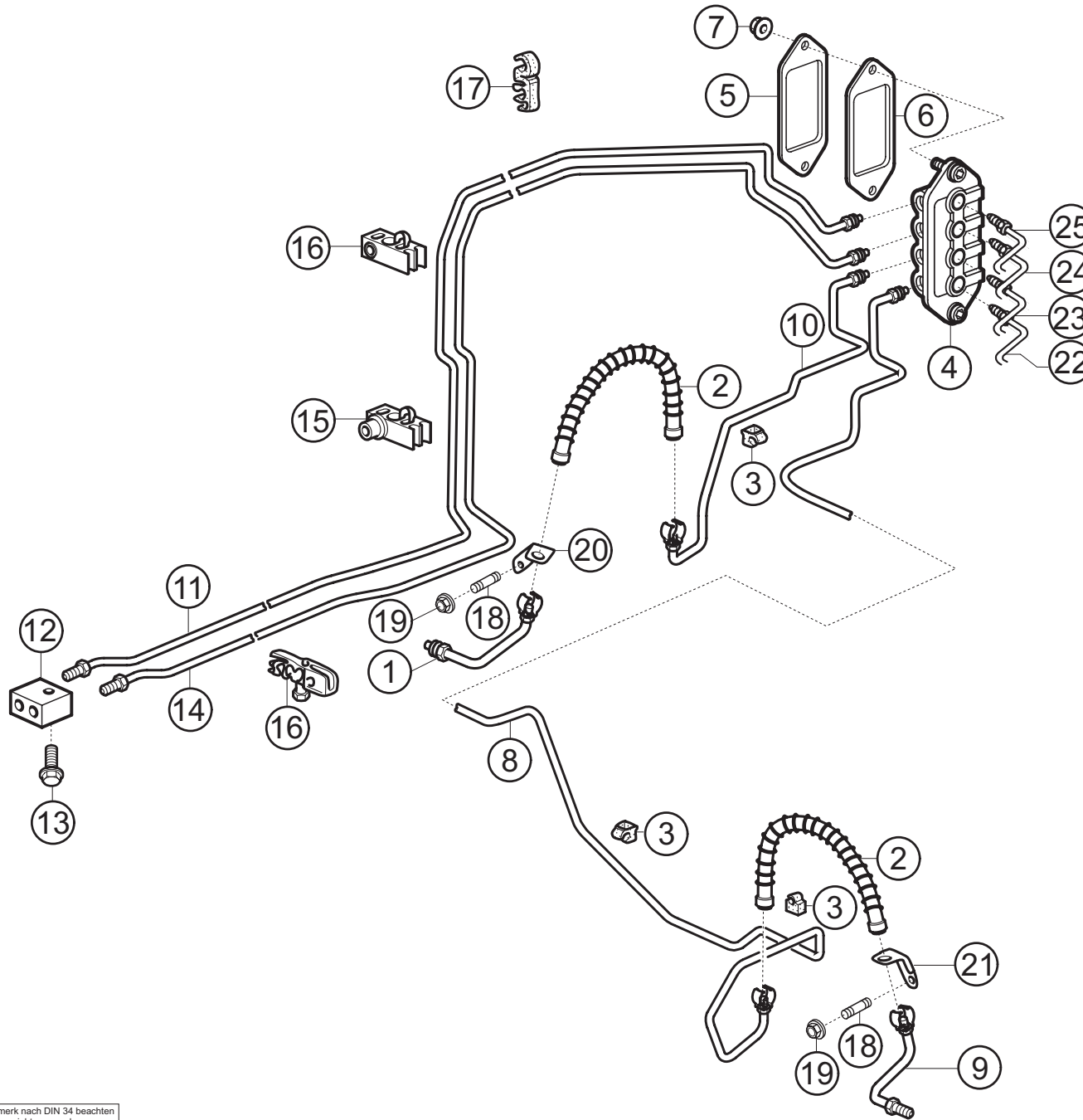
## Waagebalken / brake adjustment



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Verstellzug mit Potentiometer <i>adjustment cable assembly</i>	R 1	997.641.809.91
	Potentiometer <i>potentiometer</i>	R 1	997.641.811.90
2	6KT-MU <i>hex nut</i>	R 1	996.355.387.9A
3	Waagebalken (enthält Pos 4) <i>adjusting spindle (incl. Pos 4)</i>	R 1	996.355.239.9A
4	6KT-MU <i>hex nut</i>	R 2	996.355.779.9A
5	Gleitstück <i>sliding block</i>	R 2	996.355.261.9A
6	Waagebalkenstange <i>adjusting device rod</i>	R 1	996.355.249.9A
7	Distanzscheibe <i>spacer disk</i>	R 2	997.355.513.90
8	6KT-MU M12X1,5 <i>hex nut M12X1,5</i>	1	900.034.014.02
9	Druckstück <i>pressure part</i>	1	996.355.927.01
10	6KT-MU M6 <i>hex nut M6</i>	1	900.380.015.01
11	Hauptbremszylinder vorne orange <i>master brake cyl. front orange</i>	R 1	996.355.017.9D
12	Hauptbremszylinder hinten grün <i>master brake cylinder rear green</i>	R 1	996.355.017.9C
	Hauptbremszyl.hinten blau PCCB <i>master brake cyl.rear blue PCCB</i>	R 1	996.355.017.9A
13	Dichtring 17X10,2X0,9 <i>sealing ring 17X10,2X0,9</i>	R 2	996.355.565.9A
14	Anschlußstück <i>connecting piece</i>	R 2	997.355.657.90
15	Dichtring 18X11,2X0,9 <i>sealing ring 18X11,2X0,9</i>	R 2	996.355.563.9A
16	Hohlschraube <i>hollow screw</i>	R 2	996.355.561.9A
17	Stopfen <i>plug</i>	R 2	997.355.857.90
18	O-RING 7,65X1,65 <i>o-ring 7,65X1,65</i>	2	999.707.355.40
19	Ausgleichsbehälter <i>compensating tank</i>	R 2	996.355.211.9A
20	6KT-MU M8 <i>hex nut M8</i>	4	900.377.003.03
21	Flansch für HBZ <i>flange for mbc</i>	R 1	996.355.245.9A
22	Gewindestange M8X140 <i>threaded rod M8X140</i>	R 3	996.355.787.9A
23			
24			
25			
26			
27			
28			



## Bremsleitungen vorne / brake-lines front



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Bremsleitung links <i>brake-line left</i>	1	997.355.581.92
2	Bremsschlauch <i>brake hose</i>	2	996.355.139.01
3	Leitungshalter <i>line support</i>	n.B.	999.651.331.40
4	Zwischenstück <i>connecting piece</i>	1	997.355.650.00
5	Dichtung <i>sealing</i>	1	997.355.752.00
6	Verstärkung <i>reinforcement</i>	1	997.355.753.00
7	6KT-MU M6 <i>hex nut M6</i>	2	999.084.629.01
8	Bremsleitung vorne rechts <i>brake-line front right</i>	R 1	997.355.176.90
9	Bremsleitung rechts <i>brake-line right</i>	1	997.355.582.92
10	Bremsleitung vorne links <i>brake-line front left</i>	1	997.355.175.10
11	Bremsleitung links HA <i>brake-line left rear axle</i>	1	997.355.177.10
12	Verbindungsstück (4 Leitungen) <i>connecting piece (4 lines)</i>	1	996.355.760.31
13	6KT-SHR M6x35 <i>hex screw M6x35</i>	R 1	900.378.115.01
14	Bremsleitung rechts HA <i>brake-line right rear axle</i>	1	997.355.179.10
15	Halter 4,75x8,0 <i>support</i>	1	996.355.549.00
16	Halter 4,75x8,0 <i>support</i>	4	996.355.545.00
17	Halter 15/5/2,5/13/6 <i>support</i>	2	996.355.547.01
18	STIFT-SHR M6x16 <i>stud M6x16</i>	2	900.081.060.02
19	6KT-MU M6 <i>hex nut M6</i>	2	900.377.010.01
20	Bremsschlauchhalter links <i>support for brake-hose left</i>	1	996.355.501.06
21	Bremsschlauchhalter rechts <i>support for brake hose right</i>	1	996.355.502.06
22	Bremsleitung vorne rechts <i>brake-line front right</i>	R 1	997.355.326.90
23	Bremsleitung vorne links <i>brake-line front left</i>	R 1	997.355.327.90
24	Bremsleitung hinten rechts <i>brake-line rear right</i>	R 1	997.355.316.90
25			



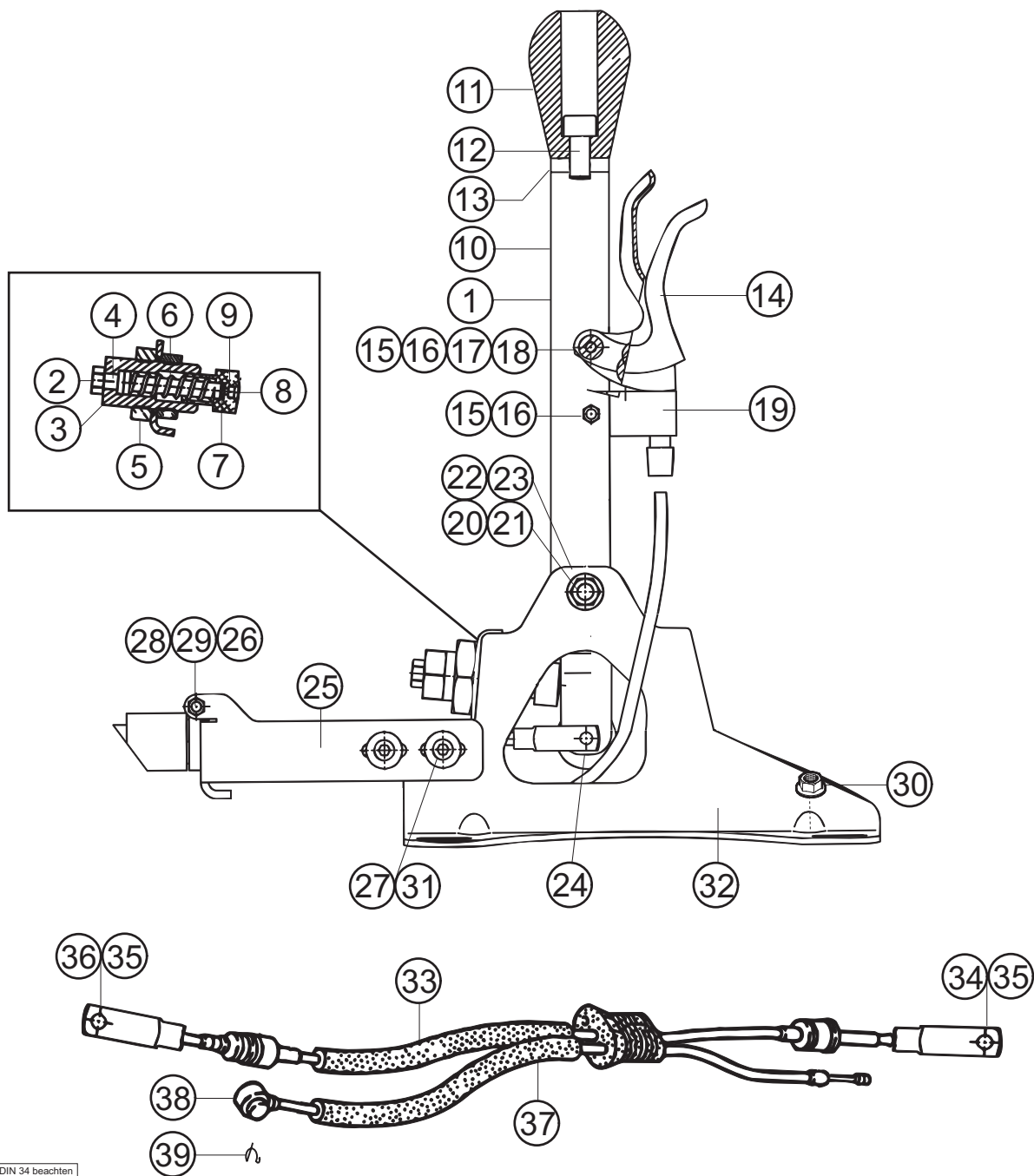


**Pedalerie und Schaltung / *pedal system and shift linkage***

- Schaltbock + Schaltzüge / *gearshift lever + gearshift cable*
- Fußhebelwerk / *pedal system*
- Kupplungsbetätigung / *clutch control system*
- Gasbetätigung / *throttle control cable*



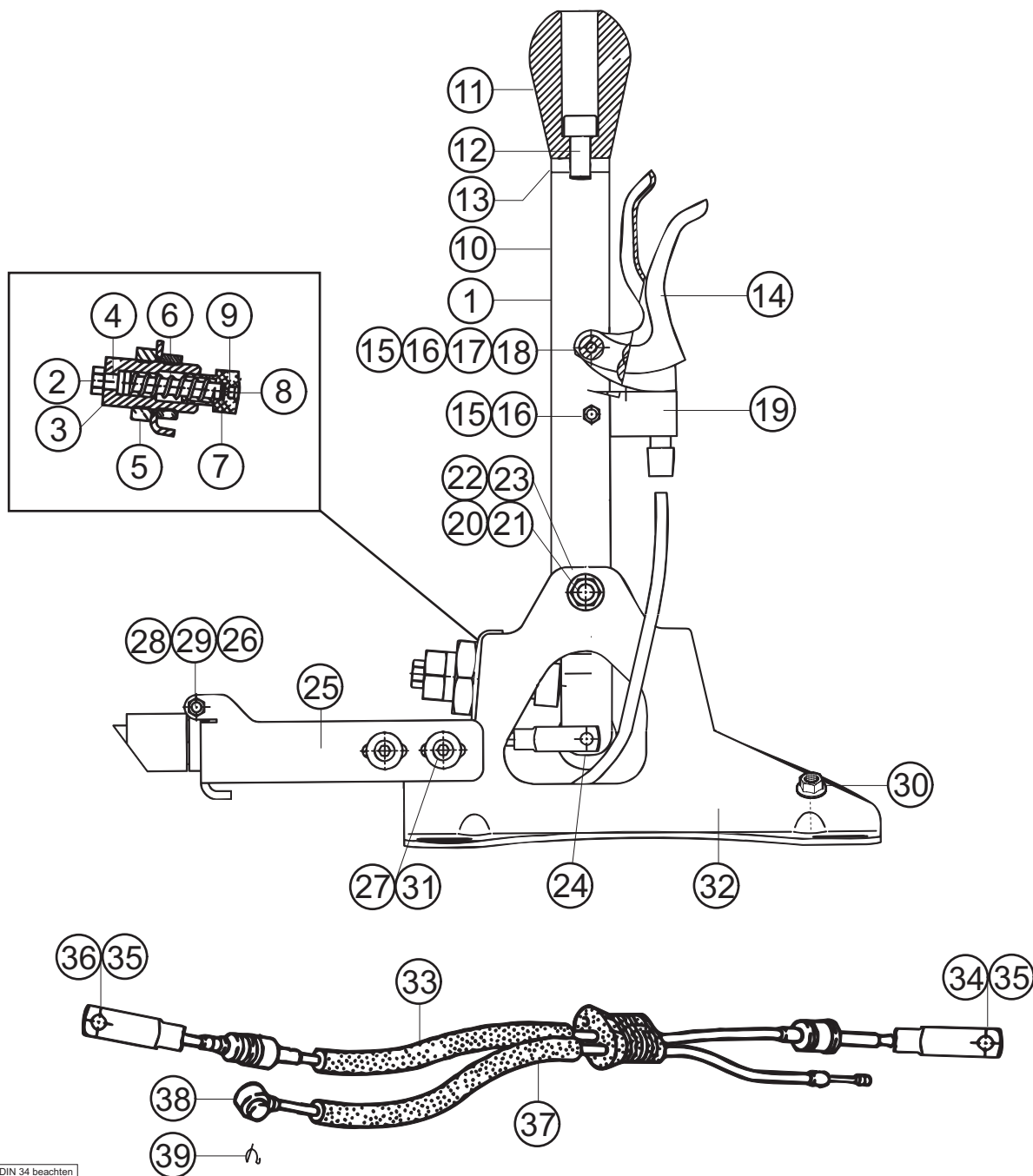
Schaltbock + Schaltzüge / gearshift lever + gearshift cable



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Schaltbock komplett gearshift-lever assembly	R 1	997.424.010.9A
2	Bolzen bolt	R 1	996.424.265.9A
3	Anschlaghülse stop sleeve	R 1	996.424.701.9A
4	Distanzscheibe 11,6X3 spacer disk 11,6X3	R 4	996.424.233.9A
5	Mutter nut	R 1	996.424.102.9A
6	Druckfeder 11X68,7 pressure spring 11X68,7	R 1	996.424.422.9A
7	Distanzscheibe 7,7X1 spacer disk 7,7X1	R 3	996.424.234.9A
8	LINSEN-SHR M3X12 oval-head screw M3X12	R 2	900.623.014.00
9	Bolzen bolt	R 1	996.424.228.9A
10	Schalthebel incl. Sensor gearshift lever + sensor	R 1	997.424.077.9A
11	Schaltknopf Delerin gearshift knob	R 1	996.424.105.9C
12	ZYL-SHR M10X50 fillister screw M10X50	1	900.067.123.01
13	Buchse sleeve	R 1	996.424.705.9E
14	Auslöseeinheit Rückwärtsgang release device reverse gear	R 1	996.424.248.9A
15	ZYL-SHR M5X30 fillister screw M5X30	2	900.067.005.02
16	6KT-MU M5 hex nut M5	R 2	900.817.005.02
17	Anlaufscheibe 12X1,9 stop disk 12,x1,9	R 2	996.424.226.9B
18	Distanzhülse spacer sleeve	R 1	996.424.227.9B
19	Halte Zug Rückwärtsgang bracket reverse gear cable	R 1	996.424.195.9B
20	6KT-SHR M8X60 hex screw M8X60	R 1	900.378.056.02
21	6KT-MU M8 hex nut M8	1	900.380.005.09
22	DU-Buchse 12X14 bush 12X14	R 2	996.424.405.9B
23	Distanzbuchse spacer bush	R 2	996.424.447.9C
24	Permaglide Buchse slide bush	R 1	996.424.407.9A
			<b>07-01-00</b>

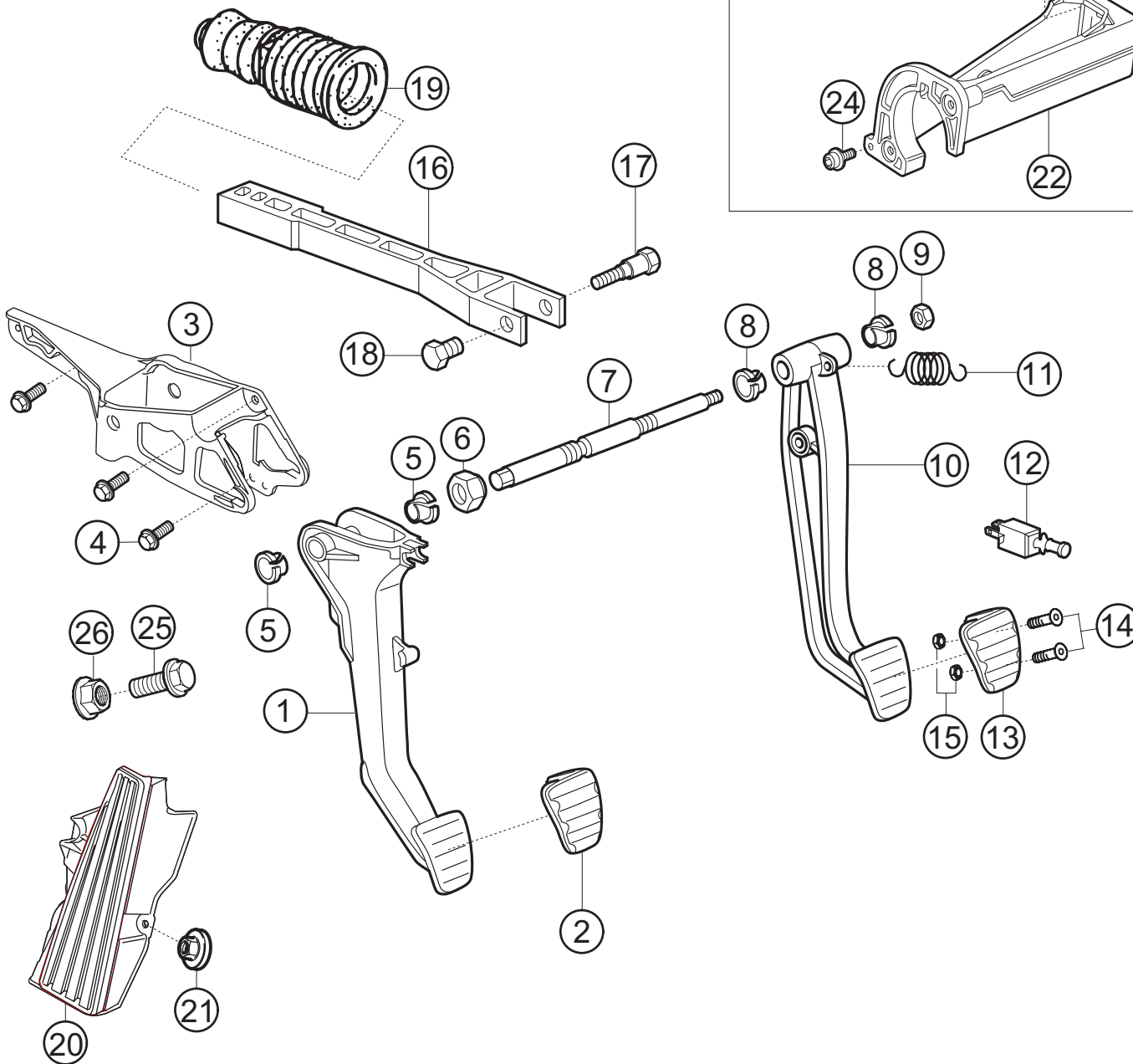


## Schaltbock + Schaltzüge / gearshift lever + gearshift cable



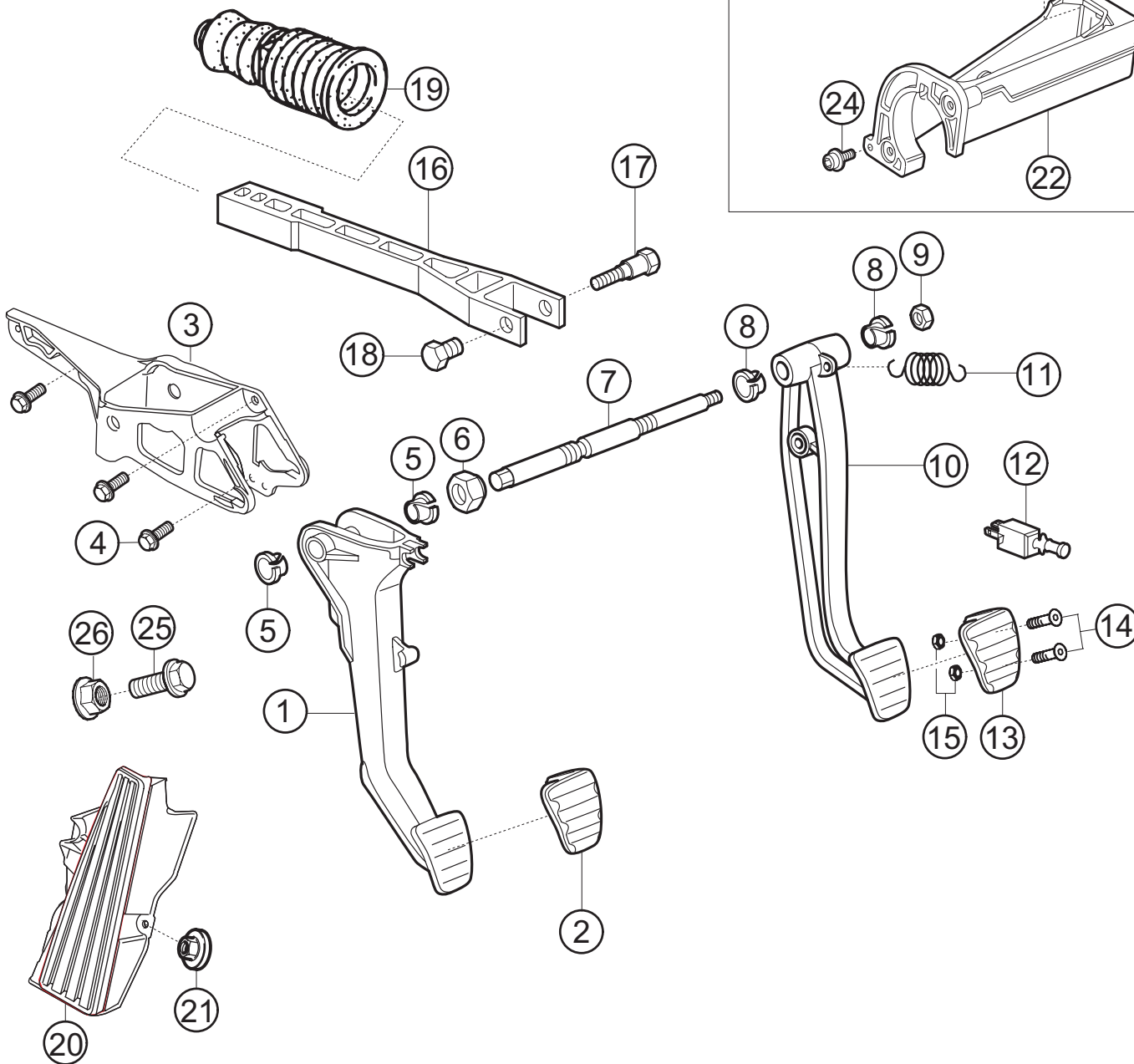
Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
25	Halter Schaltzug <i>bracket for gearshift cable</i>	R 1	996.424.437.9D
26	Hülse für Schaltzugsicherung <i>sleeve</i>	R 1	997.424.901.90
27	6KT-MU M6 <i>hex nut M6</i>	4	900.380.015.09
28	6KT-SHR M5X65 <i>hex screw M5X65</i>	R 1	900.074.175.02
29	6KT-MU M5 <i>hex nut M5</i>	R 1	900.817.005.02
30	6KT-MU M6 SB <i>hex nut M6</i>	R 4	999.084.633.09
31	6KT-SHR M6X16 <i>hex screw M6X16</i>	4	900.378.035.09
32	Konsole für Schalthebel <i>gearshift-lever bracket</i>	R 1	997.424.237.90
33	Schaltzüge komplett mit Tülle <i>control cable assembly</i>	R 1	997.424.040.90
	Schaltzug mit Tülle <i>control cable</i>	R 1	997.424.045.90
34	Gabelkopf (Linksgewinde) <i>fork end</i>	R 1	900.166.011.02
35	Bolzen 6X24 <i>bolt 6X24</i>	2	999.166.001.02
36	Gabelkopf Getriebeseite <i>fork-end (side of gearbox)</i>	1	900.166.002.02
37	Betätigungszug Rückwärtsgang <i>control cable for reverse gear</i>	R 1	997.424.055.90
38	Kugelpfanne <i>ball socket</i>	1	911.423.147.00
39	Sicherungsclip <i>securing clip</i>	1	900.169.014.02

## Fußhebelwerk / pedal system



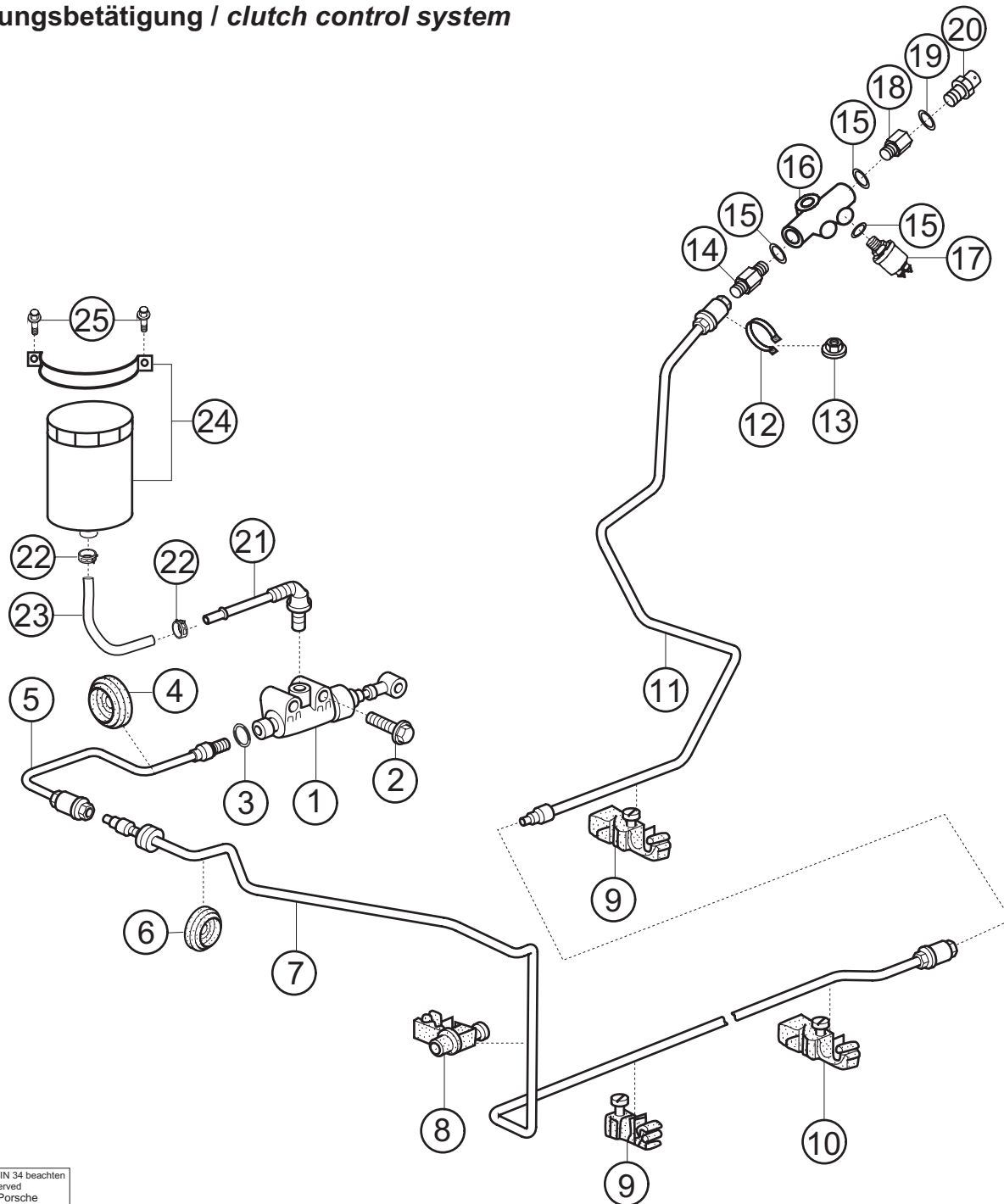
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kupplungsfußhebel <i>clutch pedal</i>	1	997.423.139.01
2	Gummikappe für Pedal <i>rubber cap for pedal</i>	1	997.423.910.00
3	Servofederhalter <i>servo spring support</i>	1	997.423.571.02
4	6KT-SHR M6X18 <i>hex screw M6X18</i>	3	900.378.273.01
5	Buchse <i>bushing</i>	2	997.423.399.01
6	Verschlussmutter <i>latch</i>	1	997.423.275.01
7	Pedalachse <i>pedal spindle</i>	1	997.423.281.00
8	Buchse <i>bushing</i>	2	997.423.401.00
9	6KT-MU M8 <i>hex nut M8</i>	1	900.380.005.01
10	Bremspedal mit Platte <i>brake pedal with plate</i>	R 1	997.423.091.90
11	Zugfeder 2,5X12,5 <i>tension spring 2,5X12,5</i>	1	999.522.033.00
12	Pedalschalter Bremse <i>brake-pedal switch</i>	1	996.613.113.02
13	Pedalplatte <i>plate for pedal</i>	R 1	996.423.341.90
14	SENK-SHR M6X15 <i>countersunk screw M6X15</i>	2	900.249.001.02
15	6KT-MU M6 <i>hex nut M6</i>	2	900.910.047.09
16	Bremsdruckstange <i>brake pressure rod</i>	1	996.423.165.05
17	Bolzen Bremsdruckstange <i>bolt for pressure rod</i>	1	996.423.308.00
18	Buchse <i>bushing</i>	1	996.423.307.00
19	Faltenbalg <i>rubber bellow</i>	R 1	996.423.269.04
20	Fußstütze komplett <i>footrest</i>	R 1	997.551.211.90
21	KUNST-MU <i>plastic nut</i>	2	999.076.081.40
22	Zwischenstück <i>intermediate piece</i>	1	997.423.251.00
23	6KT-MU M8 <i>hex nut M8</i>	2	900.380.005.01
24	FL-KPF-SHR M6X12 <i>oval head screw M6X12</i>	1	999.073.189.01

## Fußhebelwerk / pedal system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
25	Anschlagschraube Kupplungsped. stop screw for clutch pedal	1	997.423.583.91
26	6KT-MU M10 hex nut M10	1	900.377.011.01

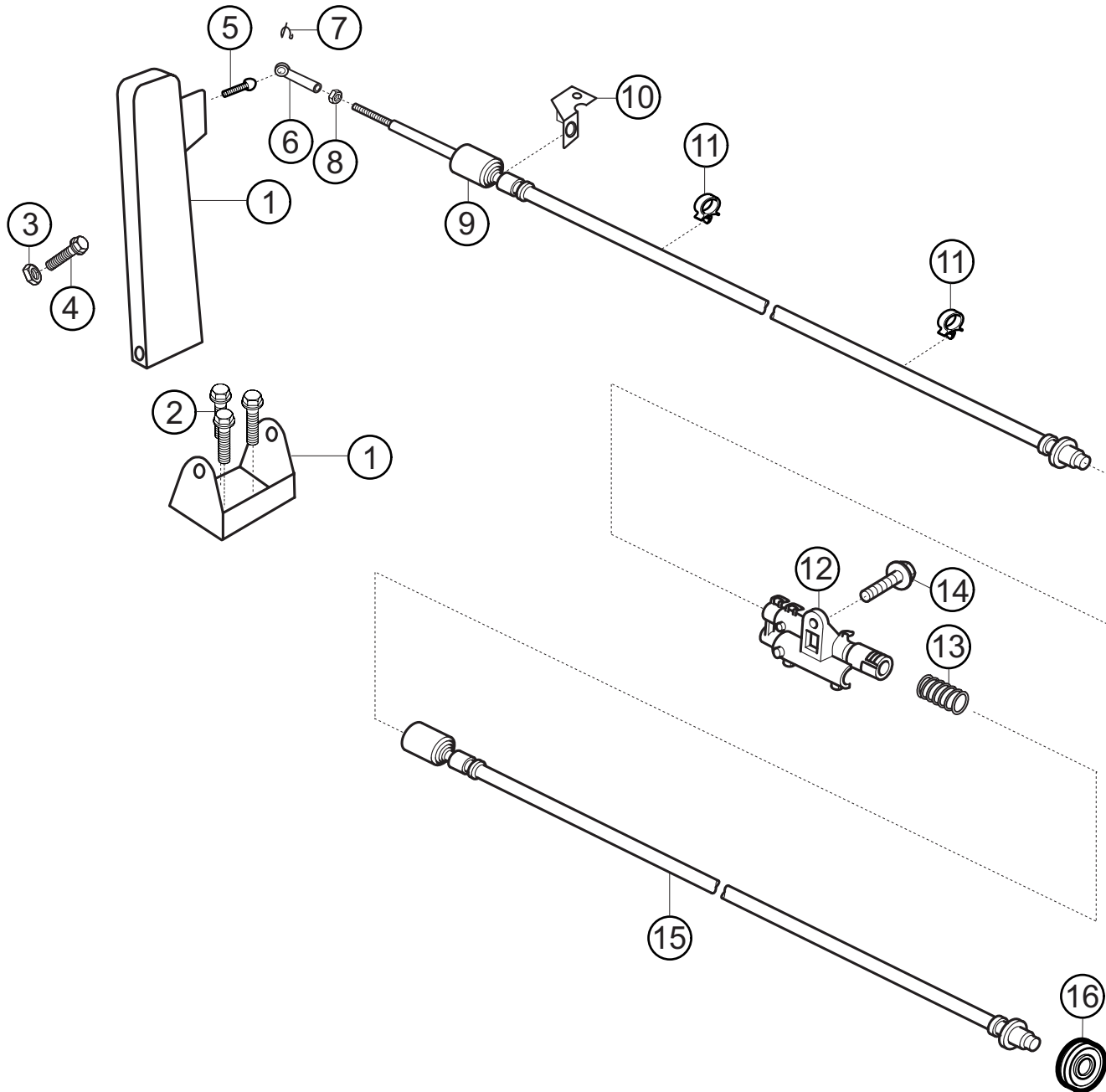
## Kupplungsbetätigung / clutch control system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kupplungsgeberzylinder <i>clutch master cylinder</i>	1	997.423.171.01
2	6KT-SHR M6X45 <i>hex screw M6X45</i>	2	900.378.270.01
3	Dichtring <i>sealing ring</i>	1	999.707.333.40
4	Tülle <i>rubber grommet</i>	1	999.702.216.42
5	Kupplungsleitung vorne <i>front clutch line</i>	1	996.423.107.10
6	Tülle Radhaus <i>rubber grommet</i>	2	999.702.174.50
7	Kupplungsleitung mitte <i>clutch line</i>	1	997.423.109.11
8	Halter <i>clip</i>	1	996.355.549.00
9	Halter <i>clip</i>	2	996.355.545.00
10	Halter groß <i>line clip</i>	4	996.355.543.00
11	Kupplungsleitung hinten <i>rear clutch line</i>	R 1	996.423.113.9A
12	HALT-SHE D1 20X15 <i>retaining clamp 20X15</i>	1	999.511.177.01
13	Kunststoffmutter <i>plastic nut</i>	R 1	999.049.022.40
14	Stutzen M10 - Dash 4 <i>connector M10 - Dash 4</i>	R 1	999.105.027.30
15	Dichtring 10X14X2 <i>sealing ring 10X14X2</i>	R 3	999.230.021.21
16	Verteilerstück <i>distributor part</i>	1	993.355.760.00
17	Drucksensor <i>pressure sensor</i>	1	Kap. 9 / chap. 9
18	Adapter <i>adapter part</i>	R 1	997.423.493.91
19	Dichtring 12X18 <i>sealing ring 12X18</i>	1	900.123.101.30
20	Schnelltrennkupplung Dash 4 <i>dash 4 coupling</i>	R 1	999.230.563.30
21	Nachlaufleitung <i>supply line</i>	1	997.423.147.00
22	Klemmschelle <i>clamping collar</i>	2	999.512.568.02
23	Nachlaufleitung <i>supply line</i>	R 1	997.423.138.90
24	Behälter <i>reservoir</i>	R 1	964.355.019.00



## Gasbetätigung / throttle control cable



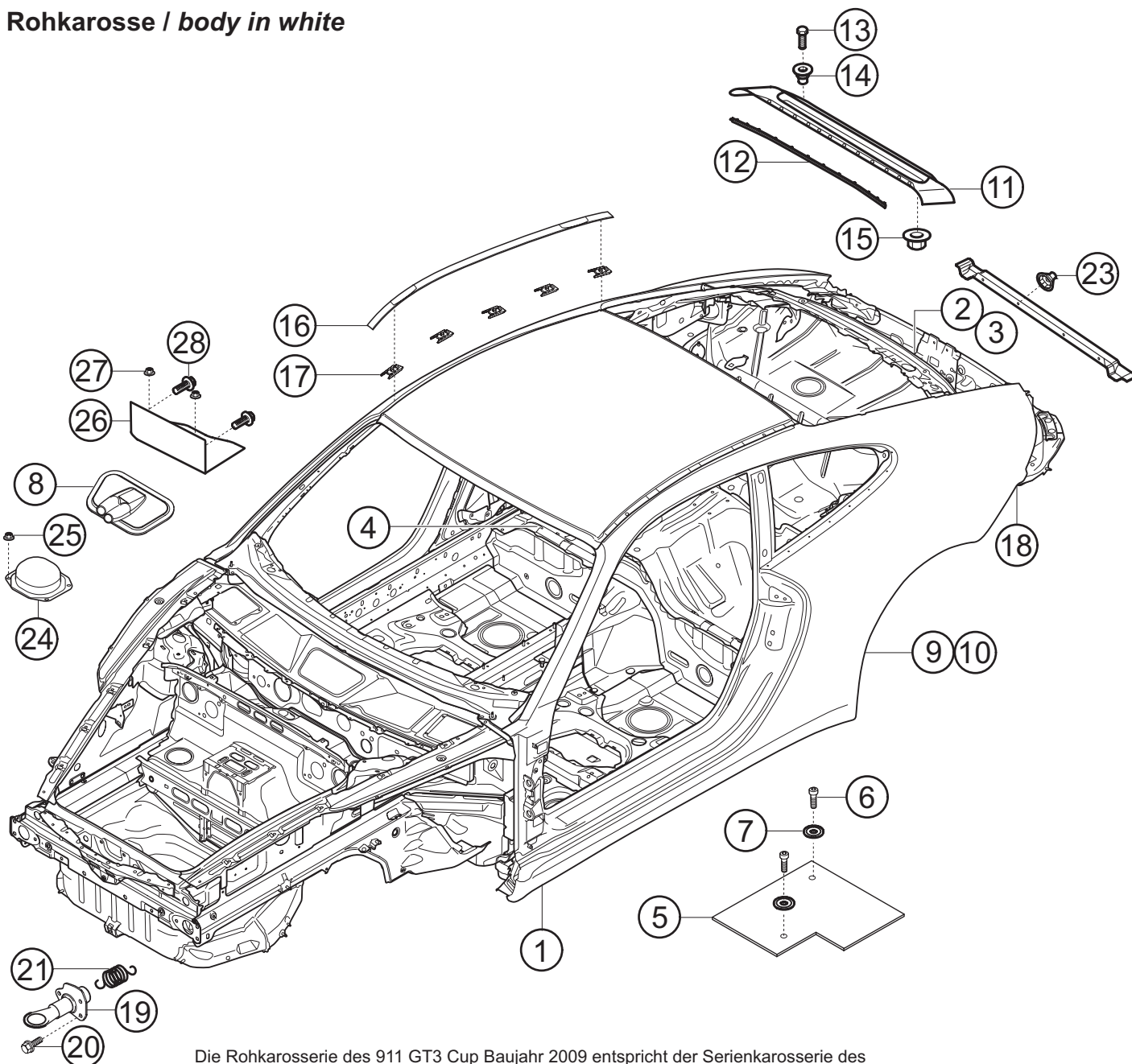
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Gaspedal komplett + Zug vorne <i>accel. pedal assy+cable front</i>	R 1	997.423.007.92
2	6KT-SHR M6x16 <i>hex screw M6x16</i>	3	900.378.035.01
3	6KT-MU M10 <i>hex nut M10</i>	1	900.377.011.01
4	6KT-SHR M10x45 <i>hex screw M10x45</i>	1	900.378.100.01
5	Kugelzapfen <i>ball pin</i>	1	900.167.013.02
6	Kugelpfanne <i>ball socket</i>	1	911.423.147.00
7	Sicherungsclip <i>securing clip</i>	1	900.169.014.02
8	6KT-MU M5 <i>hex nut M5</i>	R 1	900.076.027.01
9	Gaszug vorne <i>front throttle control cable</i>	R 1	997.423.221.9A
10	Halte Gaszug vorne <i>control cable support</i>	R 1	997.504.331.91
11	Halteclips <i>fastening clip</i>	2	999.651.162.40
12	Gehäuse <i>plastic housing</i>	1	996.423.131.04
13	Feder <i>spring</i>	1	996.423.133.00
14	6KT-SHR M6X12 <i>hex screw M6X12</i>	1	999.072.005.01
15	Gaszug hinten <i>rear throttle control cable</i>	R 1	997.423.229.90
16	Gummitülle <i>rubber grommet</i>	1	803.803.583

**Karosserie / Body**

- Rohkarosse / *body in white*
- Domstrebe / *suspension cross-brace*
- Kotflügel / *fender*
- Radhausschalen / *wheel-house protector*
- Unterbodenverkleidung / *underbody panelling*
- Kofferraumdeckel / *front cover*
- Bugverkleidung / *front-end covering*
- Heckverkleidung / *rear-end covering*
- Heckdeckel und -spoiler / *rear cover and spoiler*
- Türen / *doors*
- Verglasung / *windows*
- Tragrahmen / *support frame*
- Schalttafelverkleidung / *instrument board*
- Rennsitz / *race seat*
- Gebläseeinheit / *blower unit*
- Lüftungsdüsen / *ventilation vent*
- Windlauf / *cowl panel*



## Rohkarosse / body in white

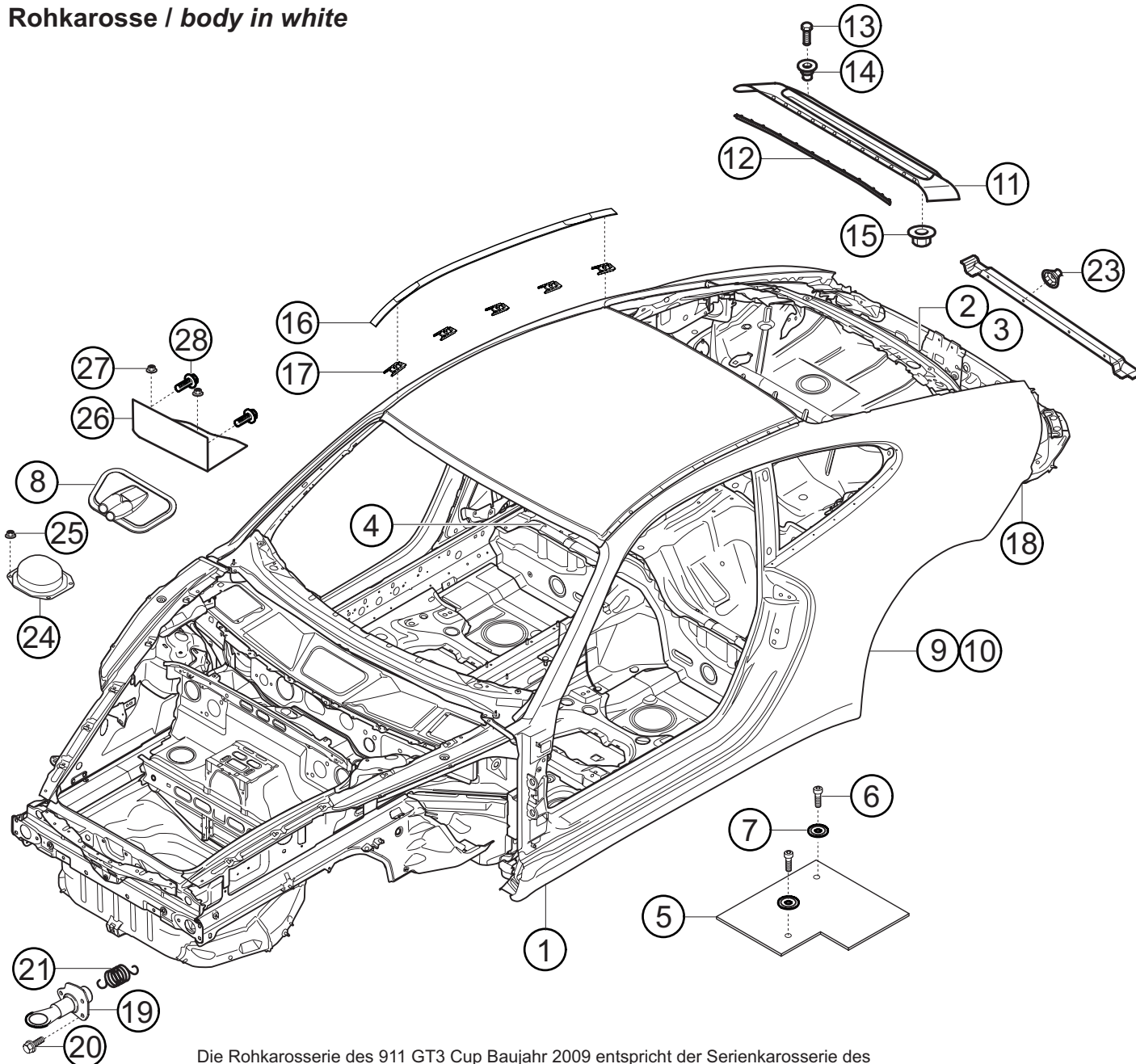


Die Rohkarosserie des 911 GT3 Cup Baujahr 2009 entspricht der Serienkarosserie des 911 GT3. Die Einzelteile sind über die Porsche-Zentren zu beziehen.

The chassis-parts of the 911 GT3 Cup, built in 2009, are equal to the standard 911 GT3 and can be ordered via the Porsche dealers.

Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Rohkarosse GT3 Cup <i>body in white GT3 Cup</i>	R 1	997.500.005.90
2	Hitzeschutzmatte Motorraum <i>heat protection shield</i>	R 1	997.505.483.92
3	MU-T5 für Hitzeschutzmatte <i>nut heat protection shield</i>	20	999.049.007.40
4	Trägerplatte Steuergerät <i>supporting plate</i>	R 1	996.618.122.9A
o.B.	FL-KPF-SHR M5x12 <i>pan head screw M5x12</i>	R 4	999.015.010.07
o.B.	FL-KPF-SHR M5x20 <i>pan head screw M5x20</i>	R 4	900.623.002.00
5	Bodenbrett <i>floor board</i>	R 1	997.551.153.90
6	ZYL-SHR M6x16 <i>fillister screw M6x16</i>	2	900.119.091.02
7	Distanzscheibe <i>spacer disk</i>	R 2	964.551.895.00
8	Dichtungsdeckel <i>sealing cover</i>	R 1	996.572.263.90
9	Gummistopfen 20x30 <i>rubber plug 20x30</i>	n.B.	999.703.196.40
10	Gummistopfen 30x40 <i>rubber plug 30x40</i>	n.B.	999.703.195.40
11	Heckmittelteil <i>rear end middle-section</i>	1	997.504.345.03 GRV
12	Dichtung <i>sealing</i>	1	997.504.612.00
13	KOMBI-SHR M6x16 <i>hex screw+washer M6x16</i>	R 3	999.073.331.09
14	Blindnietmutter M6 <i>pop rivet nut M6</i>	3	999.500.109.01
15	6KT-MU M6 <i>hex nut M6</i>	2	999.076.029.02
16	Dachkantenleiste links <i>roof strip left</i>	R 1	997.559.201.00 B9A
	Dachkantenleiste rechts <i>roof strip right</i>	R 1	997.559.202.00 B9A
17	Befestigungsclips <i>fastening clips</i>	10	996.559.403.01
18	Querträger Motorlagerpunkte <i>cross member</i>	R 1	997.501.253.90
19	Abschlepphaken vorne <i>front towing-hook</i>	R 1	997.722.693.90
	Abschlepphaken hinten <i>rear towing-hook</i>	R 1	996.722.693.92
20	6KT-SHR M8x30 <i>hex screw M8x30</i>	3	900.378.267.01

Rohkarosse / body in white



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
21	Zugfeder return spring	R 1	996.722.801.90
22	Hitzeschutz Mitte heat Protection shield	1	996.505.471.00
23	6KT-MU T5 hex nut T5	4	999.049.025.09
24	Deckel cap	1	997.504.471.00
25	6KT-MU M6 hex nut M6	4	900.380.015.01
26	Deckel Schottwand cap	1	997.504.665.00
27	6KT-MU M8 hex nut M8	2	999.084.630.01
28	6KT-SHR M8X12 hex screw M8X12	2	900.378.123.01
o.B.	Gummiüberzug Überrollkäfig foam-rubber cushion set	R 1	997.580.371.91
o.B.	Kantenschutz edge protector	R 1	999.911.641.40
o.B.	Einschweißteil Radkast.hi/ li. weld-in part wheelhouse left	R 1	997.501.183.91
o.B.	Einschweißteil Radkast.hi./re. weld-in part wheelhouse ri.	R 1	997.501.184.91

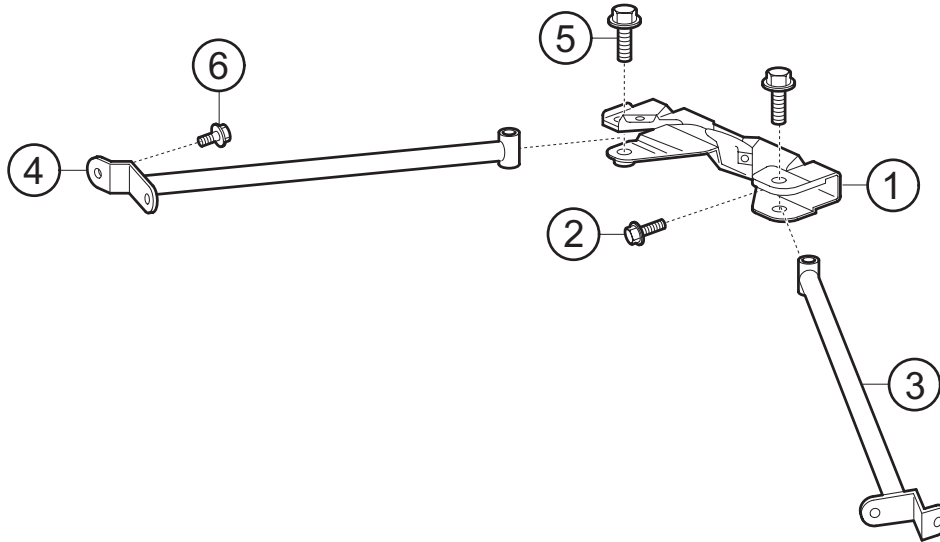
Die Rohkarosserie des 911 GT3 Cup Baujahr 2009 entspricht der Serienkarosserie des 911 GT3. Die Einzelteile sind über die Porsche-Zentren zu beziehen.

The chassis-parts of the 911 GT3 Cup, built in 2009, are equal to the standard 911 GT3 and can be ordered via the Porsche dealers.

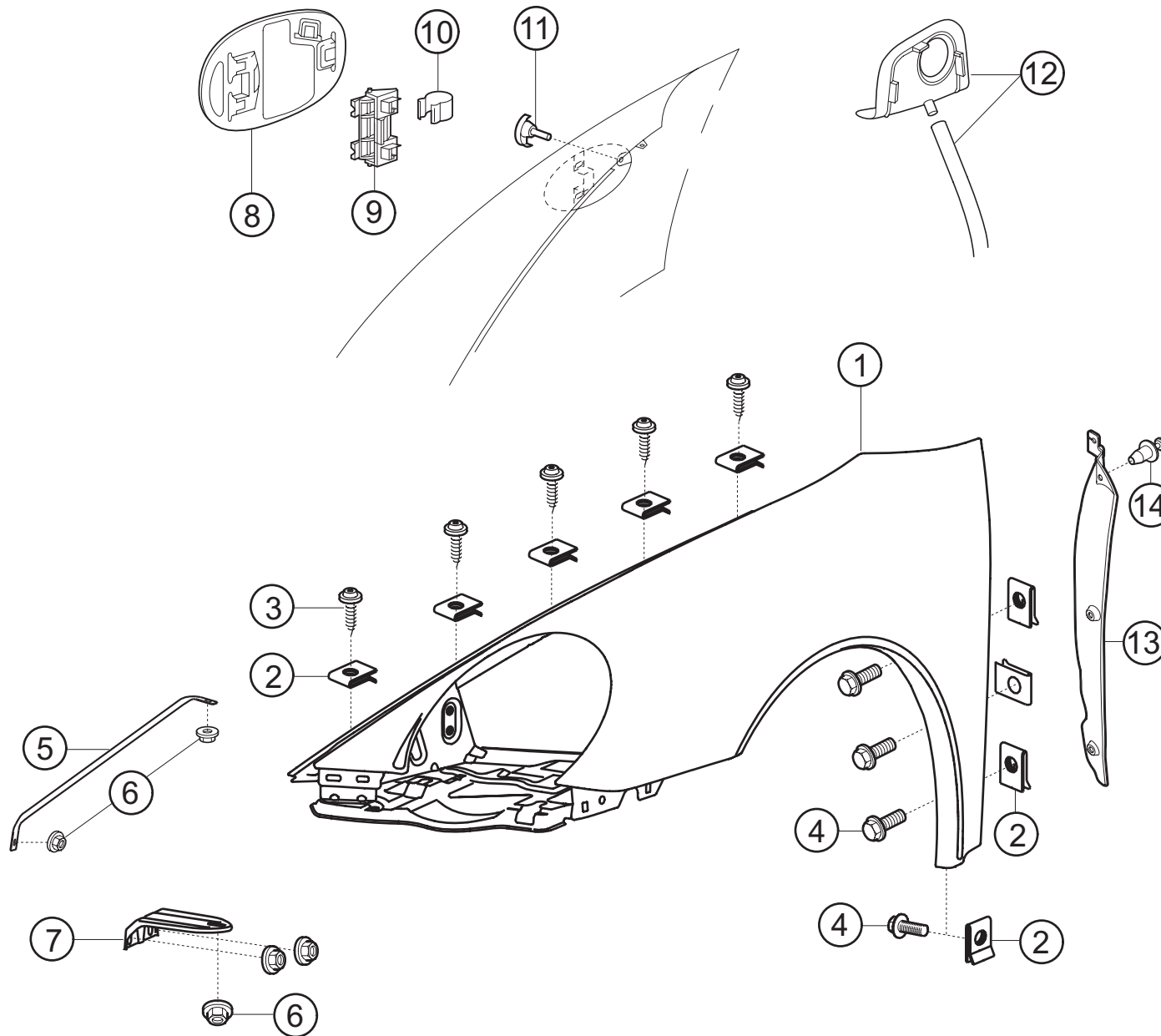
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## Domstrebe / suspension cross-brace

Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Konsole Domstrebe <i>support for suspens. cross-brace</i>	1	997.504.359.00
2	6KT-SHR M6X20 8.8 <i>hex screw M6X20 8.8</i>	4	900.378.173.01
3	Domstrebe links <i>suspension cross-brace left</i>	1	996.504.233.01
4	Domstrebe rechts <i>suspension cross-brace right</i>	1	996.504.234.01
5	6KT-SHR 10X45 10.9 <i>hex screw 10X45 10.9</i>	2	900.378.100.01
6	6KT-SHR M6X12 8.8 <i>hex screw M6X12 8.8</i>	4	900.075.010.03

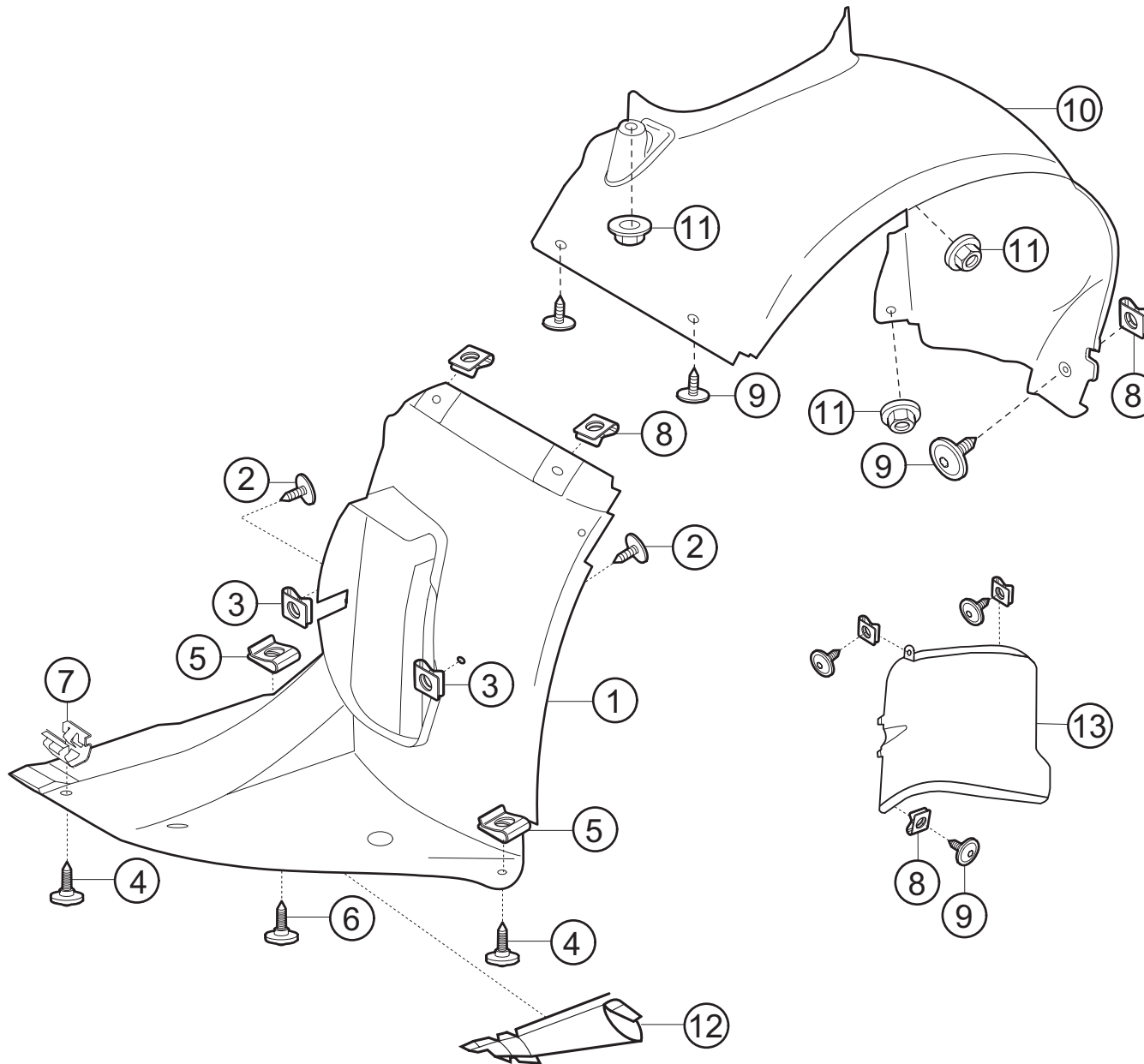


## Kotflügel / fender



P.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kotflügel links <i>fender left</i>	1	997.503.031.00 GRV
	Kotflügel rechts <i>fender right</i>	1	997.503.032.02 GRV
2	BLECH-MU ST 6,3 <i>plate nut ST 6,3</i>	9	999.507.003.01
3	BLECH-SHR ST 6,3x14 <i>tapping screw ST 6,3x14</i>	5	999.073.422.02
4	KOMBI-SHR ST6,3x12 <i>screw+washer ST 6,3x12</i>	4	900.187.111.01
5	Strebe <i>brace</i>	2	997.504.441.00 GRV
6	6KT-MU M6 <i>hex nut M6</i>	5	900.377.010.01
7	Halter Kotflügel <i>fender bracket</i>	2	997.504.555.00 GRV
8	Tankklappe <i>fuel door</i>	1	997.504.134.00 GRV
9	Scharnier <i>hinge</i>	1	996.201.063.00
10	Feder <i>spring</i>	1	997.504.711.00
11	Anschlagpuffer <i>rubber buffer</i>	1	997.504.888.01
12	Gummi-Stulpe + Schlauch <i>rubber boot + hose</i>	R 1	997.201.067.00
13	Sichtschutzblende links <i>plastic cover left</i>	1	997.504.641.02 01C
	Sichtschutzblende rechts <i>plastic cover right</i>	1	997.504.642.02 01C
14	Spreizniet <i>spreader rivet</i>	3	999.591.712.40

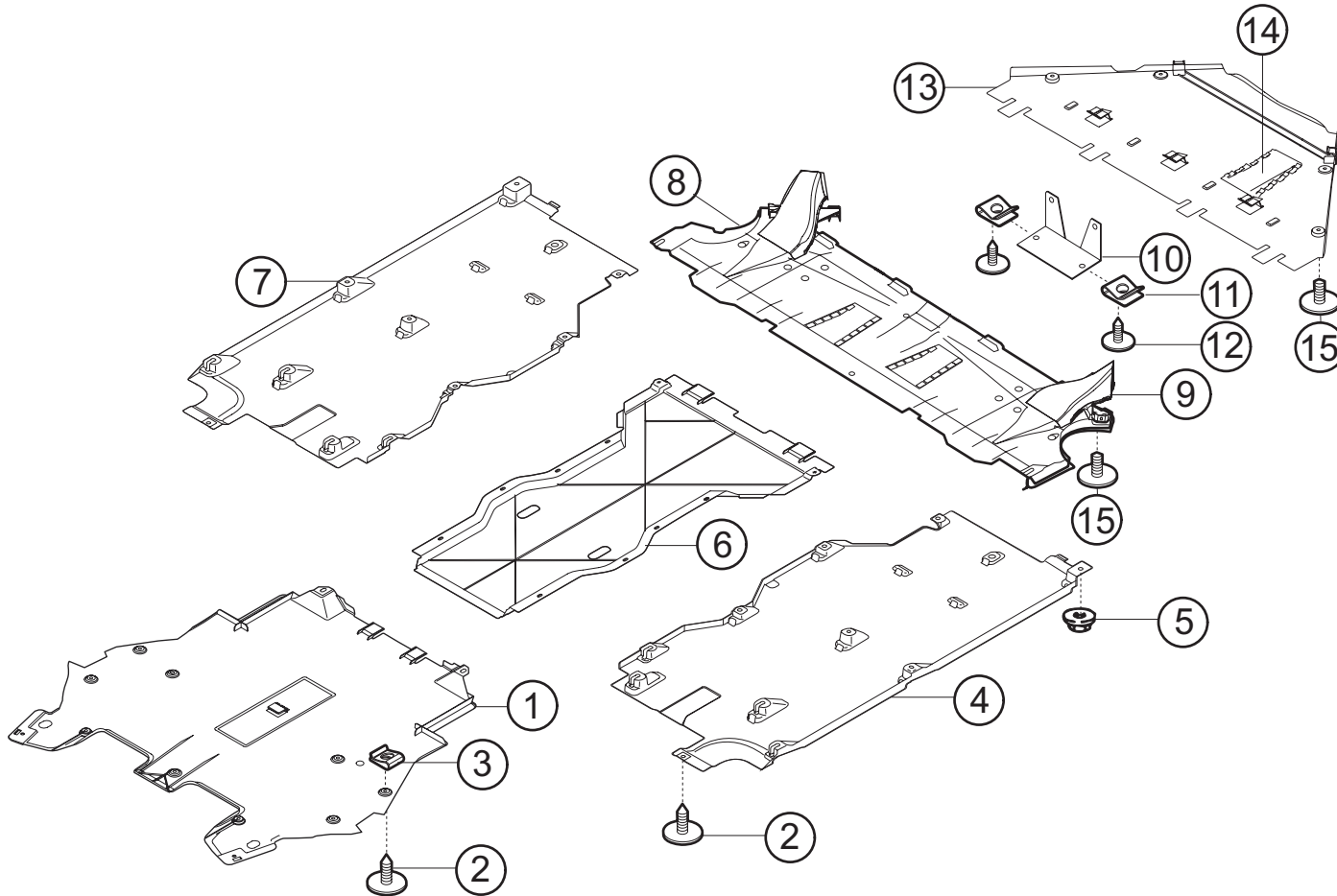
Radhausschalen / wheel-house protector



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Radhausschale links vorne <i>wheel-house protector left front</i>	R 1	997.504.123.91
	Radhausschale rechts vorne <i>wheel-house protector right front</i>	R 1	997.504.124.91
2	BLECH-SHR ST4,8x16 <i>tapping screw ST 4,8x16</i>	2	999.073.231.09
3	Blechmutter ST4,8 <i>plate nut</i>	2	999.591.350.02
4	BLECH-SHR ST4,8x19 <i>tapping screw ST 4,8x19</i>	3	999.073.227.09
5	Blechmutter ST4,8 <i>plate nut</i>	2	999.507.795.09
6	BLECH-SHR ST4,8x16 <i>tapping screw ST4,8x16</i>	1	999.073.231.09
7	PSTO-KFG ST4,8 <i>cage nut ST4,8</i>	1	999.591.329.01
8	Blechmutter ST4,8 <i>plate nut</i>	5	999.507.795.09
9	BLECH-SHR ST4,8x16 <i>tapping screw ST 4,8x16</i>	5	999.073.231.09
10	Radhausschale links <i>wheel-house protector left</i>	1	997.504.203.00
	Radhausschale rechts <i>wheel-house protector right</i>	1	997.504.204.00
11	Kunststoffmutter T5 <i>plastic nut T5</i>	3	999.049.007.40
12	Luftführung links <i>air guide left</i>	1	996.504.603.02
	Luftführung rechts <i>air guide right</i>	1	996.504.604.02
13	Luftschaufel links <i>air guide left</i>	R 1	997.575.231.91
	Luftschaufel rechts <i>air guide right</i>	R 1	997.575.232.91

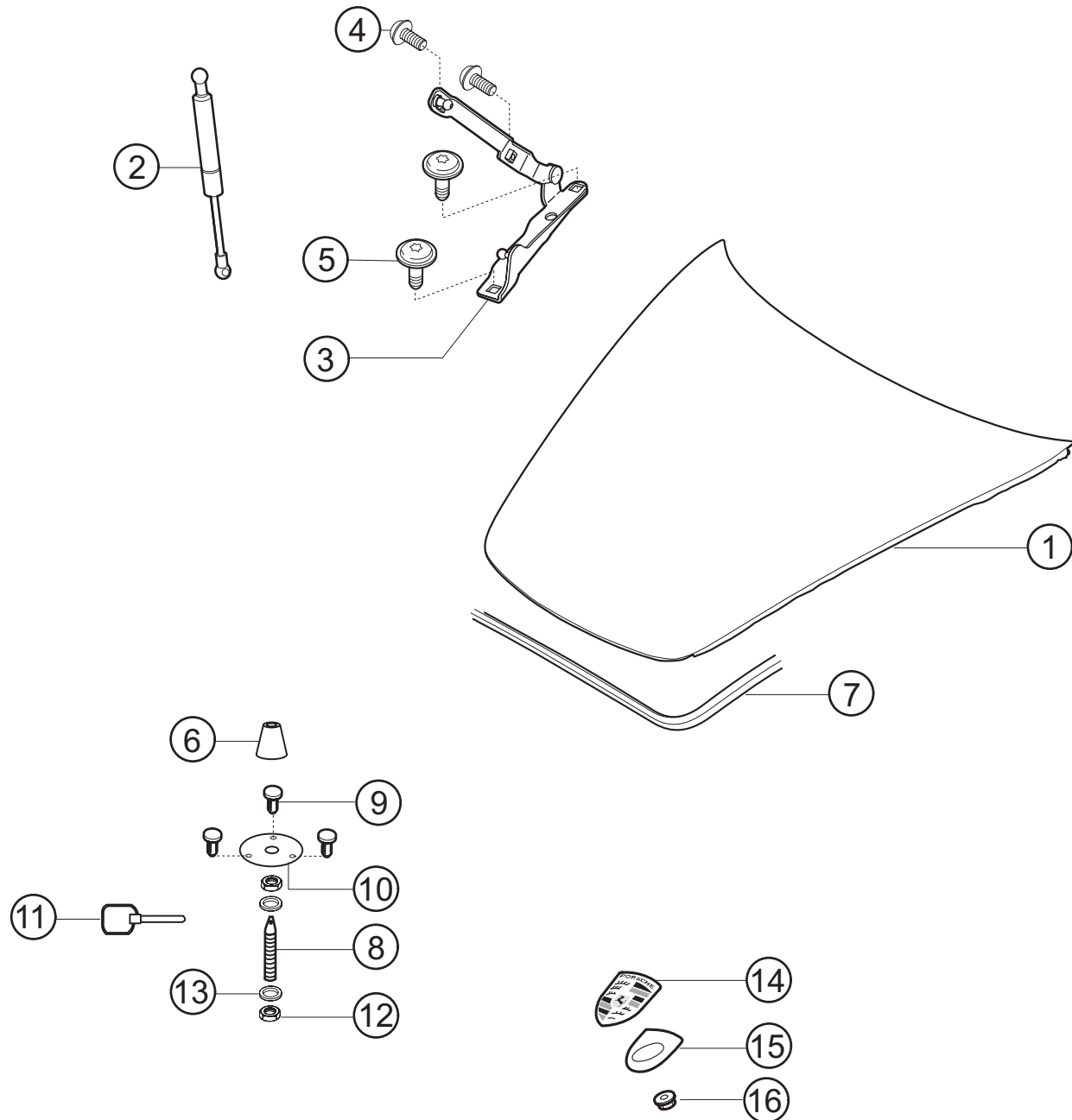


Unterbodenverkleidung / *underbody panelling*



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Abdeckung vorne mit Loch <i>underbody panelling front</i>	R 1	997.504.527.90
2	BLECH-SHR 4,8x16 <i>tapping screw 4,8x16</i>	11	999.073.231.09
3	BLECH-MU 4,8 <i>plate nut 4,8</i>	11	999.507.795.09
4	Abdeckung Mitte links <i>underbody panelling middle left</i>	1	997.504.343.03
5	Kunststoffmutter T5 <i>plastic nut T5</i>	26	999.049.007.40
6	Abdeckung Mitte <i>underbody panelling middle</i>	R 1	997.504.043.90
7	Abdeckung Mitte rechts <i>underbody panelling middle right</i>	R 1	997.504.344.91
8	Abdeckung hinten <i>underbody panelling rear</i>	R 1	997.504.629.94
9	Bremsluftkanal HA links <i>brake air-guide left</i>	1	997.575.183.00
	Bremsluftkanal HA rechts <i>brake air-guide right</i>	1	997.575.184.00
10	Halteblech Unterboden hinten <i>bracket</i>	R 1	997.504.217.90
11	BLECH-MU 4,8 <i>plate nut 4,8</i>	R 2	999.591.699.02
12	BLECH-SHR 4,8x19 <i>tapping screw 4,8x19</i>	2	999.073.227.09
13	Abdeckung Getriebe <i>underbody panelling gearbox</i>	R 1	997.504.429.90
14	Verschlussplatte <i>closing plate</i>	R 1	997.504.739.90
15	LI-SHR M5X15 <i>oval head screw M5X15</i>	6	999.073.250.09

Kofferraumdeckel / front cover



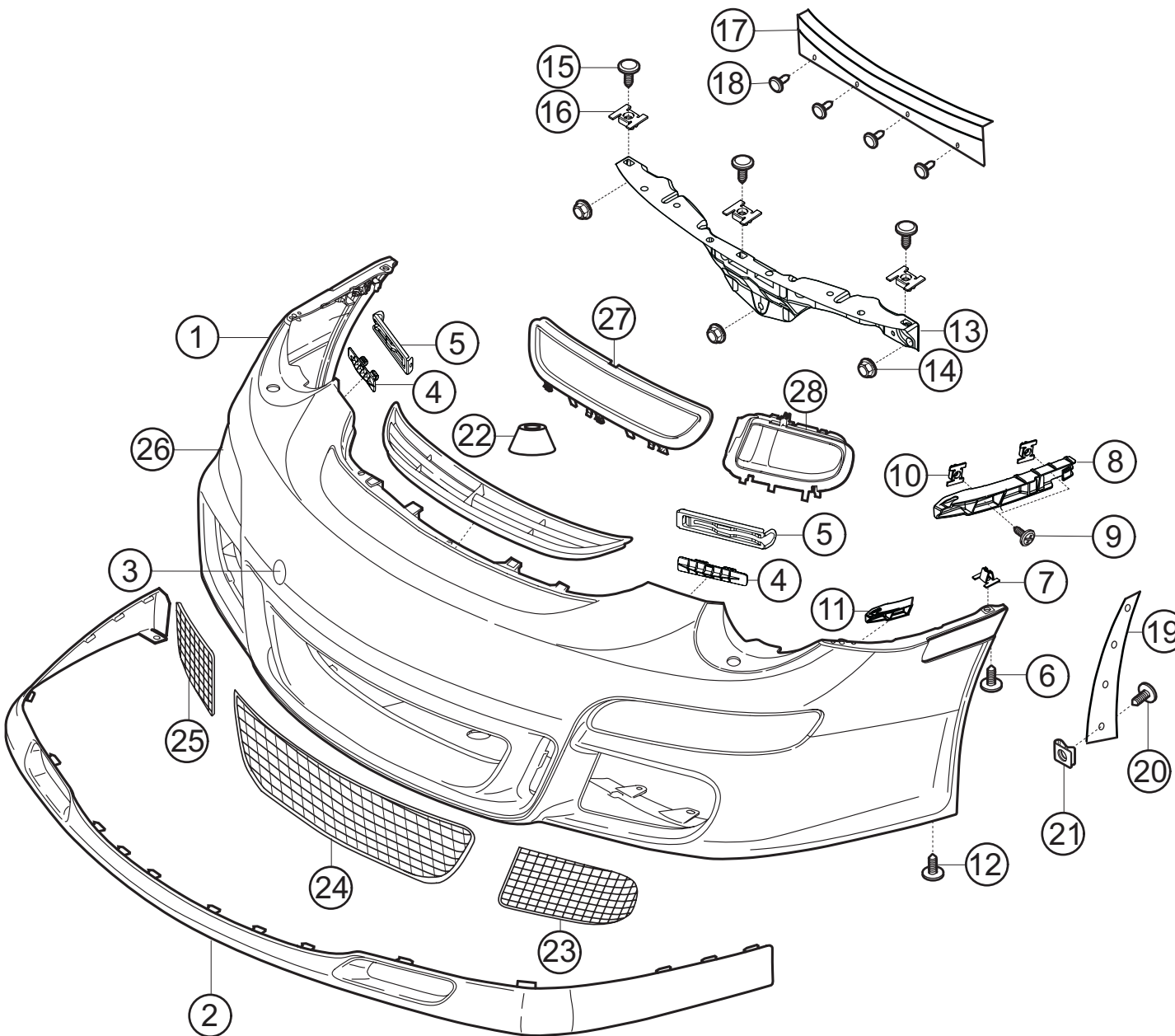
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Kofferraumdeckel <i>front cover</i>	R 1	997.511.011.90
2	Gasdruckfeder <i>gas pressure spring</i>	1	997.511.551.01
3	Scharnier links <i>hinge left</i>	1	997.511.151.01
	Scharnier rechts <i>hinge right</i>	1	997.511.152.01
4	LINSEN-SHR M6x12 <i>oval-head screw M6x12</i>	4	999.073.357.01
5	LINSEN-SHR M6x20 <i>oval-head screw M6x20</i>	4	999.073.348.09
6	Gummipuffer <i>rubber buffer</i>	2	999.703.140.41
7	Deckeldichtung <i>sealing for cover</i>	1	997.511.611.01
8	Bolzen für Haubensicherung <i>bolt for hood locking</i>	R 2	993.511.541.70
9	Niet 3,2x5,8 <i>rivet</i>	R 6	N .016.185.2
10	Platte für Haubensicherung <i>disk</i>	R 2	993.511.543.70
11	Klappstecker <i>safety clip</i>	R 2	993.511.321.70
12	Mutter M10 flach <i>hex nut M10</i>	R 4	900.034.003.03
13	U-SHB 10 <i>plain washer 10</i>	R 4	900.025.008.03
14	Deckelwappen <i>Porsche symbol</i>	1	997.559.211.00
15	Unterlage <i>support</i>	1	7L5.853.611.B
16	Schneidmutter 3,0 <i>cutting nut</i>	1	999.591.423.03

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Frontschürze / front end covering

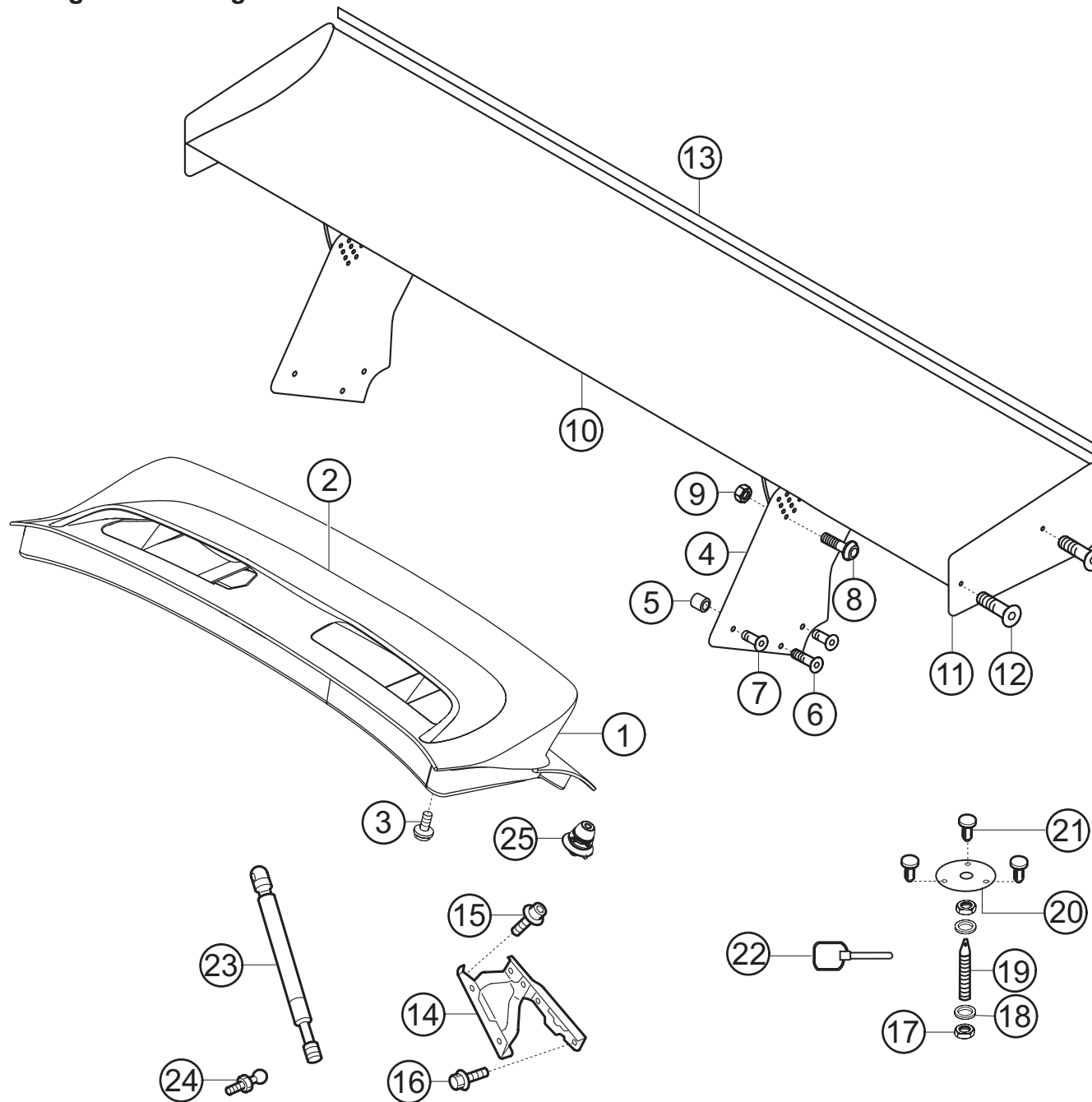
Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Bugverkleidung+Blende <i>front-end covering</i>	R 1	997.505.980.97 G2X
2	Spoilerlippe geschlossen <i>spoiler closed</i>	R 1	997.505.983.90
	Spoilerlippe offen <i>spoiler open</i>	R 1	997.505.983.91
3	Abdeckung Abschleppöse <i>cap for towing-eye hole</i>	R 1	997.505.991.00 900
4	Halteplatte <i>bracket</i>	R 2	997.505.317.00
5	Bugteilfixierung <i>clamp</i>	2	997.505.719.00
6	BLECH-SHR ST4,8x19 <i>tapping screw ST4,8x19</i>	2	999.073.227.09
7	PSTO-KFG ST4,8 <i>cage nut ST4,8</i>	2	999.507.849.01
8	Halteleiste links <i>fastening strip left</i>	1	997.505.535.01
	Halteleiste rechts <i>fastening strip right</i>	1	997.505.536.01
9	BLECH-SHR ST4,8x19 <i>tapping screw ST4,8x19</i>	4	999.073.418.01
10	PSTO-KFG ST4,8 <i>cage nut ST4,8</i>	4	999.507.849.01
11	Eckteil links <i>edge part left</i>	1	997.505.301.00
	Eckteil rechts <i>edge part right</i>	1	997.505.302.00
12	BLECH-SHR ST4,8x19 <i>tapping screw ST4,8x19</i>	7	999.073.227.09
13	Halteleiste Mitte <i>fastening strip middle</i>	1	997.505.531.00
14	6KT-MU M6 <i>hex nut M6</i>	3	999.076.048.01
15	BLECH-SHR ST4,8x19 <i>tapping screw ST4,8x19</i>	3	999.073.227.09
16	PSTO-KFG ST4,8 <i>cage nut ST4,8</i>	3	999.507.849.01
17	Luftführung <i>air guide</i>	R 1	997.505.952.90
18	Spreizmutter ST4,2 <i>spreader nut ST4,2</i>	4	999.591.941.40
19	Abrisskante <i>separation edge</i>	R 2	997.505.355.90
20	BLECH-SHR ST4,8x16 <i>tapping screw ST4,8x16</i>	4	N .906.487.04
21	BLECH-MU ST4,2 <i>plate nut ST4,2</i>	4	999.591.699.01





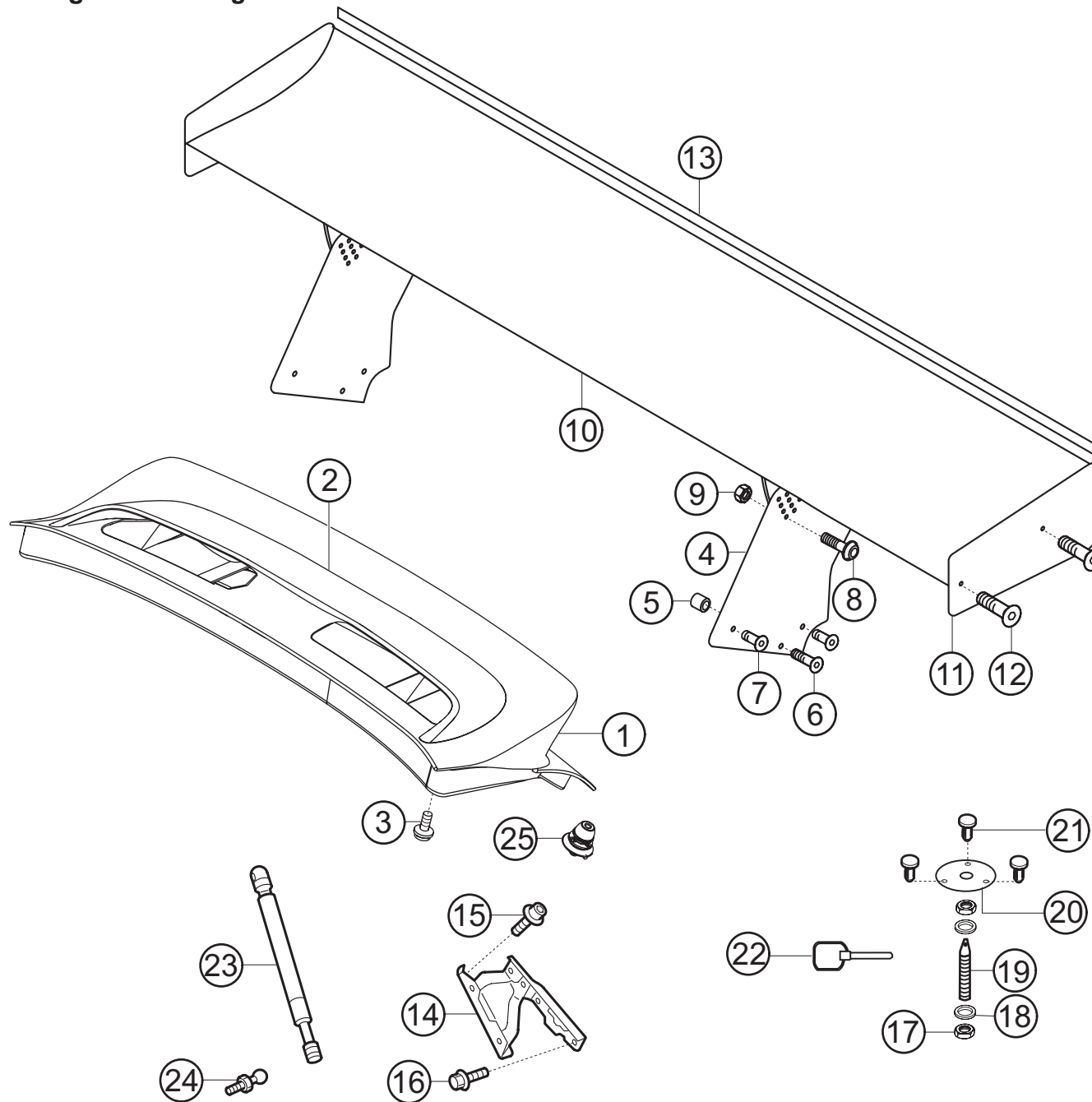


## Heckflügel / rear wing



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Heckdeckel ohne Flügel <i>rear cover without wing</i>	R 1	997.512.991.90
2	Lufthutze <i>air duct</i>	R 1	997.512.931.90
3	LINSEN-SHR M5X20 <i>oval-head screw M5X20</i>	2	900.623.002.00
4	Flügelstütze links <i>wing support left</i>	R 1	997.512.981.98
	Flügelstütze rechts <i>wing support right</i>	R 1	997.512.982.98
5	Distanzhülse <i>spacer sleeve</i>	R 2	996.512.979.90
6	SENK-SHR M6x30 <i>countersunk screw M6x30</i>	R 2	900.249.071.00
7	SENK-SHR M6x16 <i>countersunk screw M6x16</i>	4	900.249.041.01
8	LINSEN-SHR M6x12 <i>oval-head screw M6x12</i>	4	900.623.007.00
9	Sicherungsmutter M6 <i>securing nut M6</i>	R 4	900.817.001.02
10	Heckflügel <i>rear wing</i>	R 1	997.512.992.90
11	Seitenplatte links <i>left side plate</i>	R 1	997.512.963.91
	Seitenplatte rechts <i>right side plate</i>	R 1	997.512.964.91
12	SENK-SHR M5x12 <i>countersunk screw M5x12</i>	4	900.249.034.02
13	Abrisskante <i>gourney flap</i>	R 1	997.512.105.90
14	Scharnier links <i>hinge left</i>	1	997.512.151.02
	Scharnier rechts <i>hinge right</i>	1	997.512.152.01
15	KOMBI-SHR M6x16 <i>screw+washer M6x16</i>	4	900.075.466.01
16	6KT-SHR M6x18 <i>hex screw M6x18</i>	2	900.378.214.01
17	MU M10 flach <i>nut M10 flat</i>	R 2	900.034.003.03
18	U-SHB A10 <i>plain washer A10</i>	R 2	900.025.008.03
19	Bolzen Haubensicherung <i>bolt for hood locking</i>	R 2	993.511.541.70
20	Platte für Haubensicherung <i>disk</i>	R 2	996.511.543.90
21	Niet 3,3x5 <i>rivet</i>	R 6	N .016.185.2

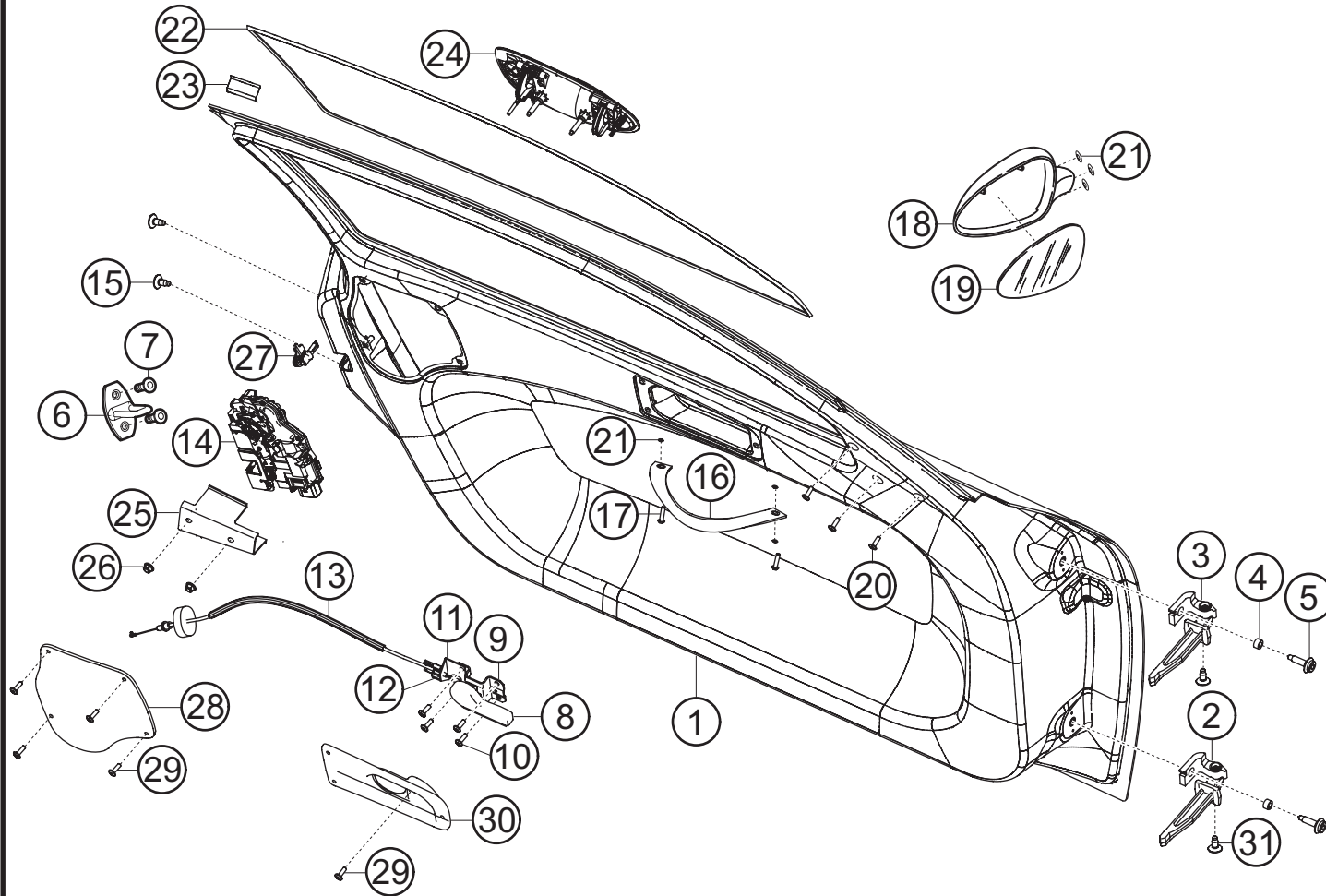
## Heckflügel / rear wing



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
22	Klappstecker <i>safety clip</i>	R 2	993.511.321.70
23	Gasdruckfeder <i>gas pressure spring</i>	1	997.512.551.00
24	Kugelzapfen <i>ball pin</i>	R 2	999.167.051.03
25	Anschlag einstellbar <i>stop adjustable</i>	2	987.512.987.00
o.B.	Schriftzug GT3 Cup schwarz <i>emblem GT3 Cup black</i>	R 1	996.559.239.90
o.B.	Schriftzug GT3 Cup weiß <i>emblem GT3 Cup white</i>	R 1	996.559.239.91
o.B.	Schriftzug GT3 Cup rot <i>emblem GT3 Cup red</i>	R 1	996.559.239.92

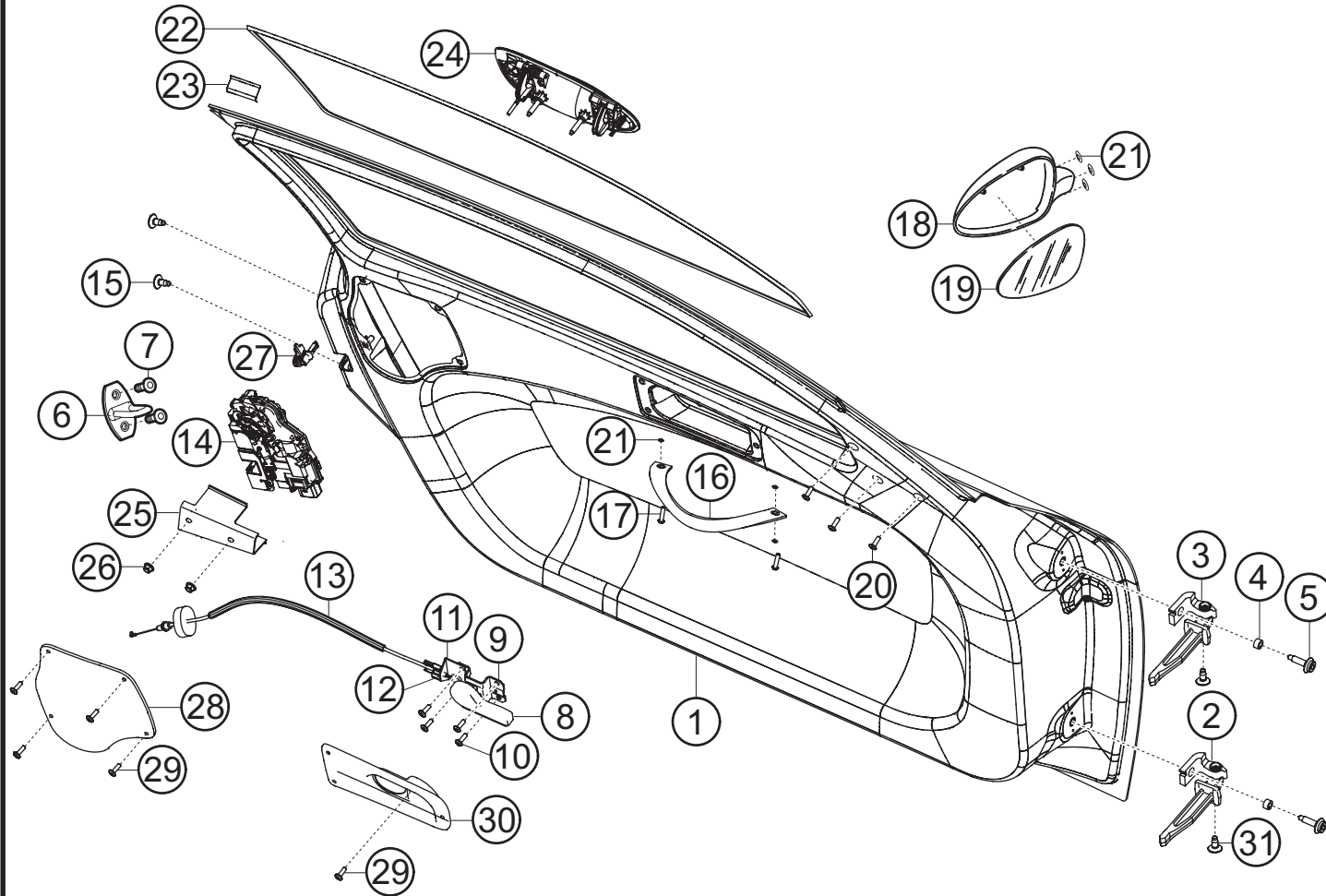


Türen / doors



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Türe links <i>door left</i>	R 1	997.531.211.91
	Türe rechts <i>door right</i>	R 1	997.531.212.91
2	Scharnier links unten <i>hinge left below</i>	1	997.531.319.01
	Scharnier rechts unten <i>hinge right below</i>	1	997.531.320.01
3	Scharnier links oben <i>hinge left on top</i>	1	997.531.321.01
	Scharnier rechts oben <i>hinge right on top</i>	1	997.531.322.01
4	Hülse <i>sleeve</i>	2	996.531.831.00
5	ZYL-SHR M8X33 <i>fillister screw M8X33</i>	2	999.073.192.01
6	Schließbügel <i>striker</i>	1	3C0.837.767 A
7	SENK-SHR M8X22 <i>countersunk screw M8X22</i>	2	N .910.174.01
8	Betätigungsgriff links <i>actuating lever left</i>	1	944.537.225.00.3DL
	Betätigungsgriff rechts <i>actuating lever right</i>	1	944.537.226.00.3DL
9	Innenbetätigung links <i>inner actuation left</i>	R 1	996.537.029.9A
	Innenbetätigung rechts <i>inner actuation right</i>	R 1	996.537.030.9A
10	FL-KPF-SHR M5X12 <i>oval head screw M5X12</i>	4	999.073.268.A2
11	Widerlager Betätigungszug <i>actuation cable support</i>	R 1	996.537.161.91
12	KLM-SHB 5,0 <i>calmping disk 5,0</i>	1	999.591.946.03
13	Betätigungszug <i>actuation cabel</i>	1	997.537.319.01
14	Türschloß links <i>door lock left</i>	1	3D1.837.015
	Türschloß rechts <i>door lock right</i>	1	3D1.837.016
15	SHR M8X20 <i>screw M8X20</i>	2	WHT.000.439
16	Zuziehband <i>pulling strap</i>	1	964.555.832.00 N13
17	FL-KPF-SHR M5X16 <i>pan-head screw M5X16</i>	2	999.073.269.A2
18	Spiegel links komplett <i>mirror assembly left</i>	R 1	997.731.019.90

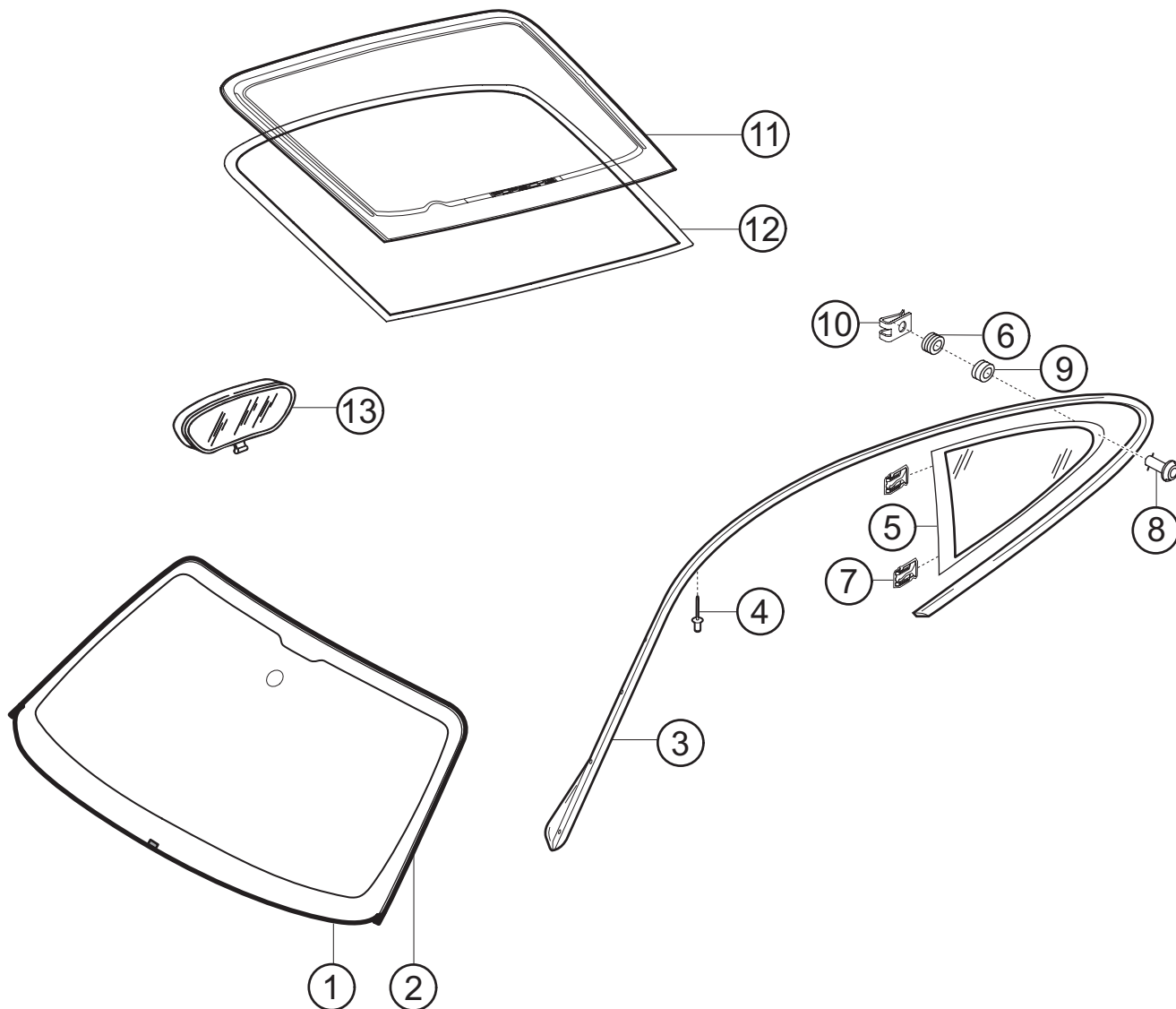
## Türen / doors



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
18	Spiegel rechts komplett <i>mirror assembly right</i>	R 1	997.731.020.90
19	Spiegelglas links <i>mirror glas left</i>	R 1	996.731.035.90
	Spiegelglas rechts <i>mirror glas right</i>	R 1	996.731.036.90
20	LI-SHR M5X16 <i>oval head screw M5X16</i>	3	999.073.269.A2
21	O-Ring 4,00X1,5 <i>o-ring 4,00X1,5</i>	R 7	999.701.849.40
22	Türscheibe links <i>plastic window left</i>	R 1	997.542.511.91
	Türscheibe rechts <i>plastic window right</i>	R 1	997.542.512.91
23	Türdichtgummi 100mm <i>door seal 100mm</i>	R 1	997.537.175.9B
24	Türaußengriff links <i>outside door handle left</i>	R 1	997.537.061.90 B9A
	Türaußengriff rechts <i>outside door handle right</i>	R 1	997.537.062.90 B9A
25	Halter Türgriff links <i>door handle bracket left</i>	R 1	997.537.063.90
	Halter Türgriff rechts <i>door handle bracket right</i>	R 1	997.537.064.90
26	6KT-MU M6-SB <i>hex nut M6-SB</i>	2	999.084.629.01
27	Verbindungsstück <i>connecting piece</i>	1	997.537.445.03
28	Deckel Türschloss links <i>cap for door lock left</i>	R 1	997.537.541.90
	Deckel Türschloss rechts <i>cap for door lock right</i>	R 1	997.537.542.90
29	LI-SHR M5X12 <i>oval head screw M5X12</i>	5	999.073.268.A2
30	Blende Türinnengriff links <i>cover actuating-lever left</i>	R 1	997.537.543.90
	Blende Türinnengriff rechts <i>cover actuating-lever right</i>	R 1	997.537.544.90
31	6KT-SHR M6X12 <i>hex screw M6X12</i>	2	999.072.043.09
o.B.	Einstellscheibe Türe <i>shim for door</i>	R n.B.	996.531.723.90

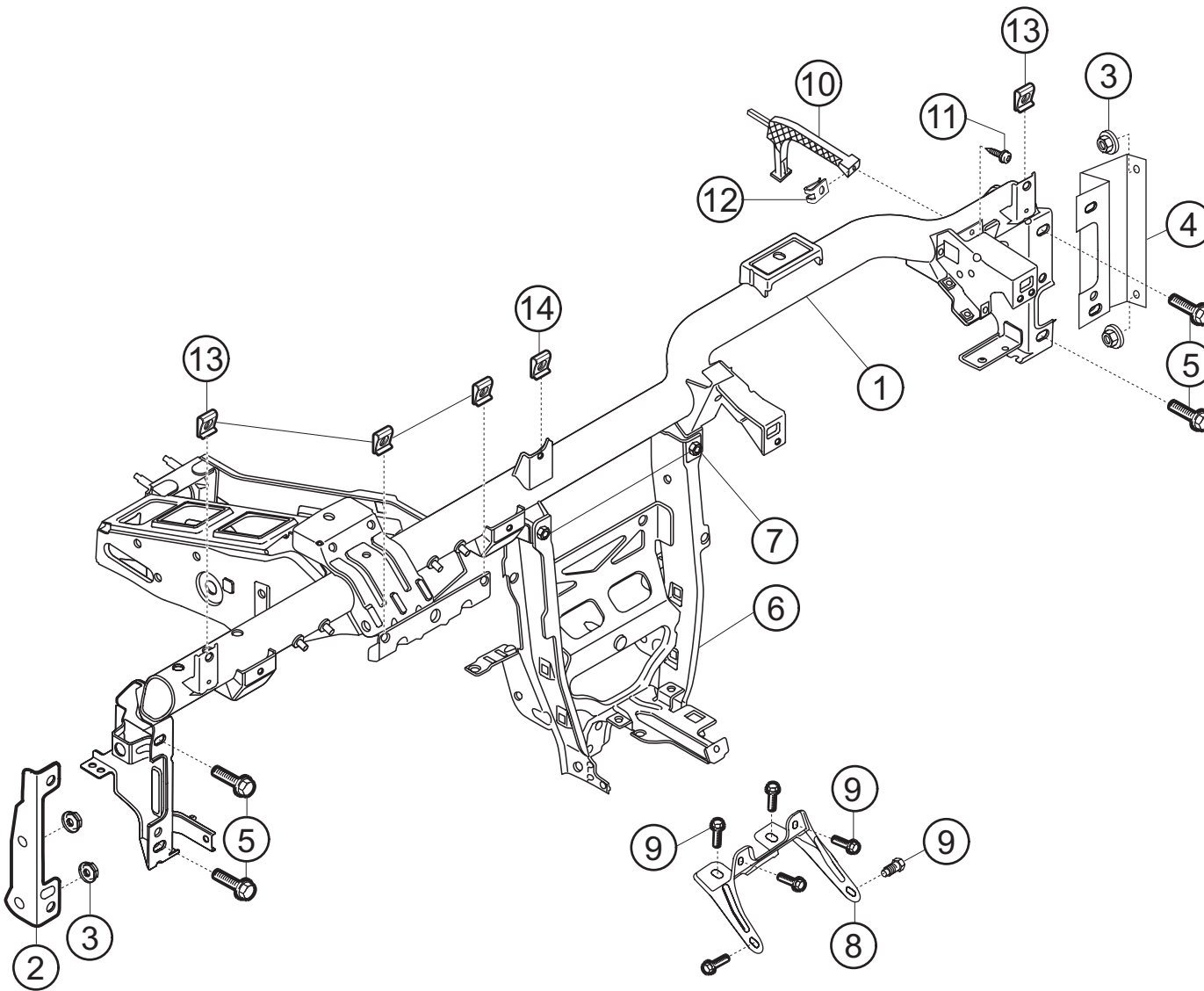


Verglasung / windows



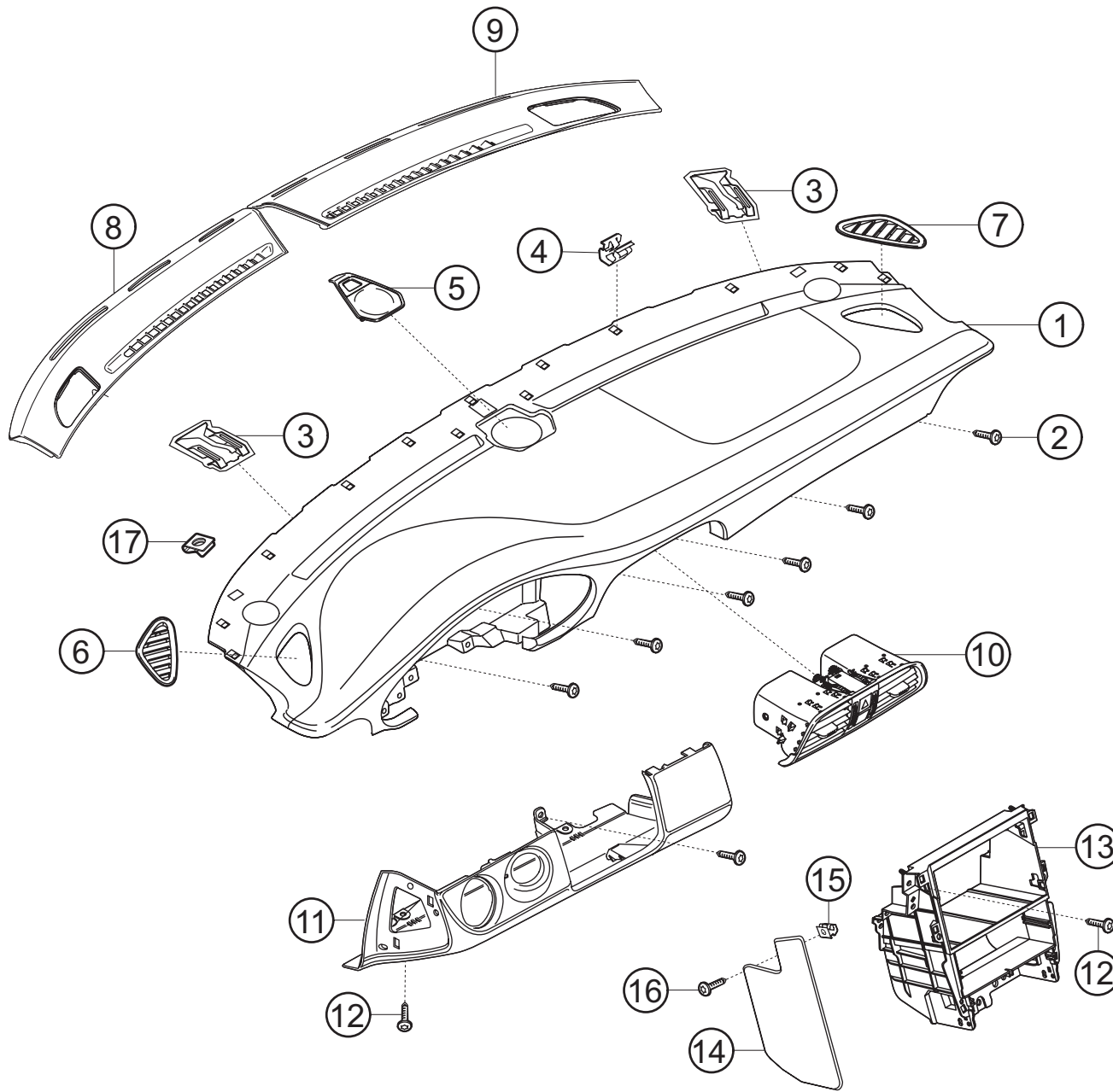
Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Frontscheibe + Dichtung <i>windscreen + sealing</i>	1	997.541.911.08
2	Dichtung Frontscheibe <i>sealing windscreen</i>	1	997.541.901.10
3	Dachrahmendichtung links <i>roof frame sealing left</i>	1	997.537.481.00
	Dachrahmendichtung rechts <i>roof frame sealing right</i>	1	997.537.482.00
4	Blindniet A 4,0X7,9 <i>rivet A 4,0X7,9</i>	13	999.190.445.37
	Blindniet A 4,0X6,3 <i>rivet A 4,0X6,3</i>	7	999.190.450.37
5	Fondseitenscheibe links <i>rear side window left</i>	R 1	997.543.011.9D
	Fondseitenscheibe rechts <i>rear side window right</i>	R 1	997.543.012.9D
6	Gummitülle <i>rubber grommet</i>	1	999.702.246.40
7	Halteklammer <i>clamp</i>	R 2	997.543.441.91
8	Verschlusszapfen 30,0 <i>cam-lock 30,0</i>	R 1	999.590.072.01
9	Führungsring <i>guiding ring</i>	R 1	999.590.078.01
10	Nocken 20,5X25 <i>clip on 20,5X25</i>	R 1	999.590.075.01
11	Heckscheibe <i>plastic rear window</i>	R 1	997.545.111.92
12	Dichtung Heckscheibe <i>sealing rear window</i>	1	997.545.901.00
13	Innenspiegel <i>inside mirror</i>	1	997.731.511.06 01C

## Tragrahmen / support frame



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Tragrahmen + Abstützung Tunnel <i>support frame + bracket tunnel</i>	R 1	997.552.003.90
2	Halter links <i>support left</i>	1	997.552.407.01
3	6KT-MU M8 <i>hex nut M8</i>	4	999.084.630.01
4	Halter rechts <i>support right</i>	R 1	997.552.761.90
5	6KT-SHR M8X20 <i>hex screw M8X20</i>	4	900.378.176.01
6	Abstützung Tunnel <i>support tunnel</i>	1	997.552.163.05
7	6KT-SHR M8X65 <i>hex screw M8X65</i>	2	900.378.305.01
8	Halter Tunnel <i>bracket tunnel</i>	1	997.552.515.01
9	6KT-SHR M6X18 <i>hex screw M6X18</i>	6	900.075.432.01
10	Halter Lüftungseinheit <i>bracket for ventilation unit</i>	1	997.552.401.00
11	BLECH-SHR 4,2X13 <i>tapping screw 4,2X13</i>	1	999.073.155.09
12	BLECH-MU 4,2 <i>plate nut 4,2</i>	1	999.507.971.01
13	BLECH-MU 4,2 <i>plate nut 4,2</i>	4	999.591.850.01
14	BLECH-MU 4,2 <i>plate nut 4,2</i>	n.B.	999.507.020.01

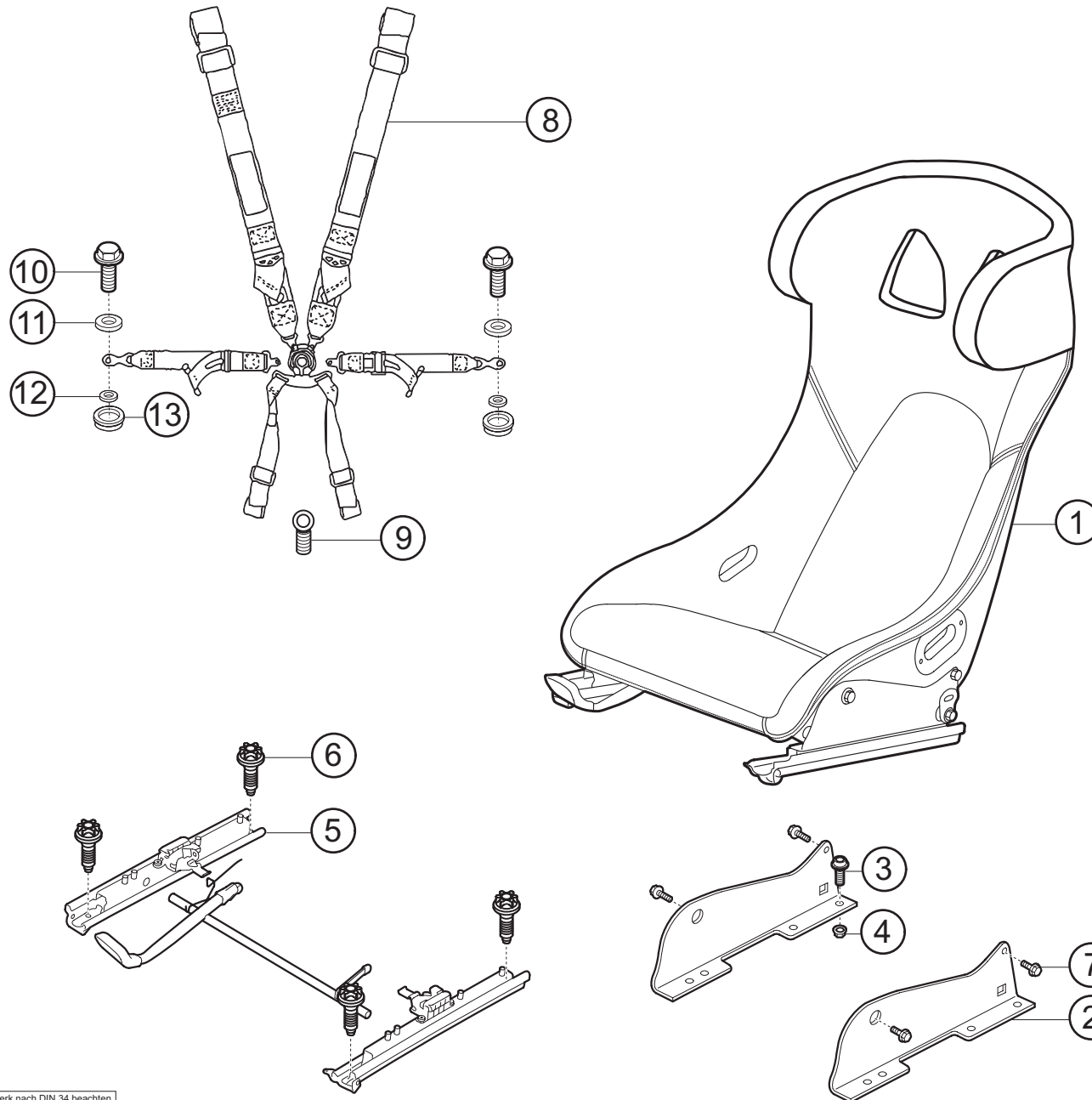
## Schalttafelverkleidung / instrument board



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Schalttafel Cup <i>instrument board Cup</i>	R 1	997.552.101.90
2	BLECH-SHR 4,2X16 <i>tapping screw 4,2X16</i>	n.B.	999.073.226.09
3	Klammer Schalttafel <i>clamp for instrument board</i>	R 2	999.507.921.01
4	Steckklammer <i>plug clamp</i>	n.B.	999.507.732.01
5	Blende Mitte <i>cover</i>	1	997.552.351.01 A03
6	Abdeckung links <i>cover left</i>	1	997.552.455.01 A03
7	Abdeckung rechts <i>cover right</i>	1	997.552.456.01 A03
8	Defrosterblende links <i>defroster cover left</i>	1	997.552.175.01 A03
9	Defrosterblende rechts <i>defroster cover right</i>	1	997.552.176.01 A03
10	Ausströmer Mitte <i>air outlet middle</i>	1	997.552.141.08 V04
11	Verkleidung unten komplett <i>covering assembly below</i>	R 1	997.552.201.90
12	BLECH-SHR 4,2X13 <i>tapping screw 4,2X13</i>	7	999.073.155.09
13	Träger Mittelkonsole <i>support center console</i>	R 1	997.553.111.91
14	Blende seitlich links <i>cover left</i>	R 1	997.553.217.02
	Blende seitlich rechts <i>cover right</i>	R 1	997.553.218.02
15	Käfigmutter ST 4,2 <i>cage nut ST 4,2</i>	4	999.591.508.01
16	BLECH-SHR 4,2X16 <i>tapping screw 4,2X16</i>	4	999.073.226.09
17	BLECH-MU ST4,2 <i>plate nut ST4,2</i>	n.B.	999.507.971.01

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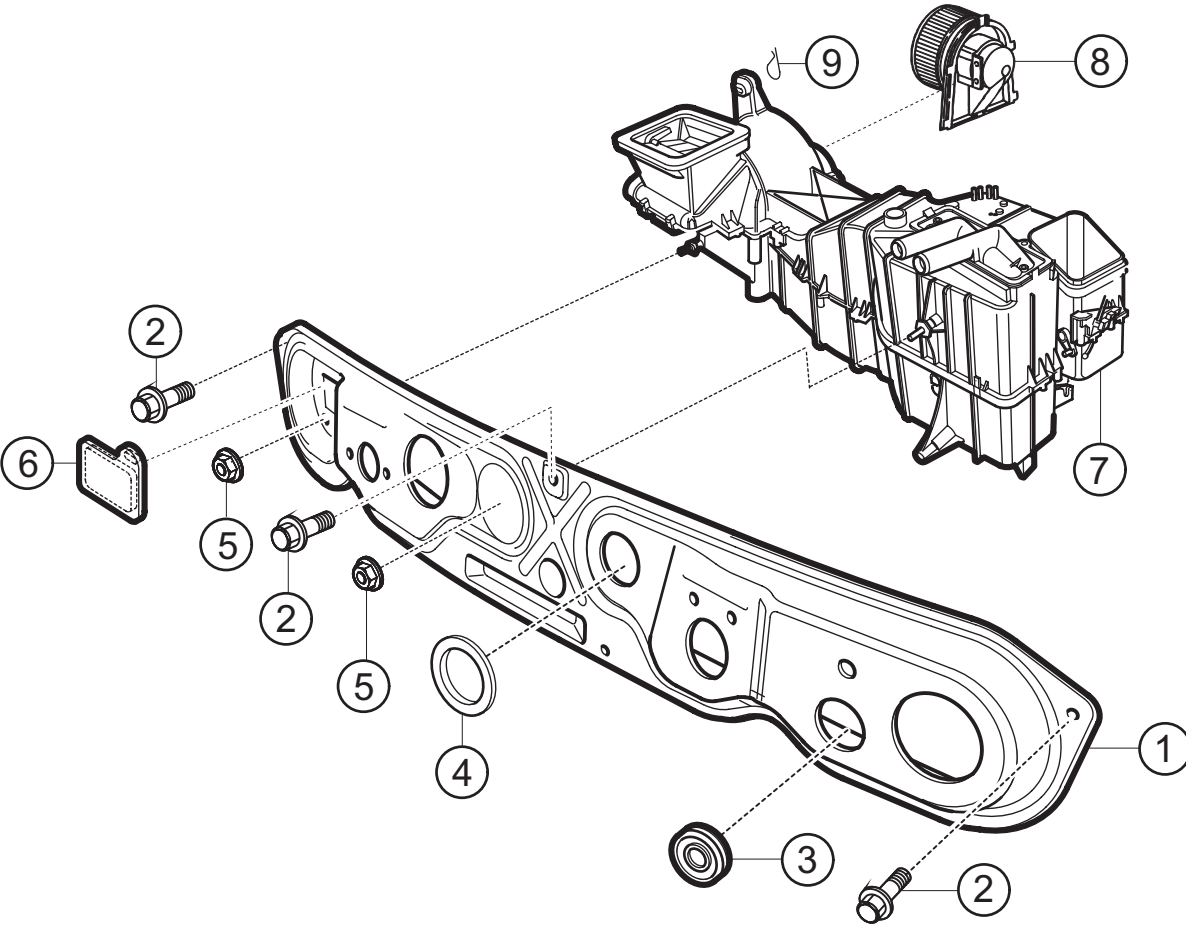
## Rennsitz / race seat



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Rennsitz mit Schienen <i>race seat assembly</i>	R 1	997.521.037.92
	Rennsitz (breit) mit Schienen <i>race seat (wide) assembly</i>	R 1	997.521.037.93
2	Satz Winkelplatten <i>angle-plate set</i>	R 1	997.521.923.92
	Satz Winkelplatten (breiter Sitz) <i>angle-plate set (wide seat)</i>	R 1	997.521.923.93
3	ZYL-SHR M8X20 <i>zylinder-head screw M8X20</i>	8	900.119.030.02
4	Stopmutter M8 <i>stop nut M8</i>	8	900.910.022.02
5	Sitzschienensatz Fahrersitz <i>seat rails</i>	1	996.521.929.90
6	TORX-SHR 10X28 <i>torx-screw 10X28</i>	4	999.141.047.01
7	6KT-SHR M8X20 <i>hex-screw M8X20</i>	4	999.093.010.07
8	Fahrgurt <i>safety belt</i>	R 1	997.803.037.9A
9	Ringschraube für Schrittgurt <i>eye bolt for crotch belt</i>	R 2	996.803.681.9A
10	Befestigungs-SHR 7/16-20 UNF <i>fastening screw 7/16-20 UNF</i>	R 2	996.803.691.9A
11	Scheibe 12,1x19,3x3 <i>plain washer</i>	R 2	999.025.230.01
12	Führungshülse + Distanzhülse <i>guiding + distance sleeve</i>	R 2	997.803.689.9A
13	Wellscheibe B16 <i>corrugated washer B16</i>	2	999.028.014.03
o.B.	Anschlag Sitz <i>stop for seat</i>	R 1	997.521.931.90

## Gebläseeinheit / blower unit

Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Deckel Stirnwand <i>front wall cover</i>	R 1	997.504.121.90
2	6KT-SHR M6X18 <i>hex screw M6X18</i>	7	900.075.432.01
3	Gummitülle 14,0X45X1,0 <i>rubber grommet 14X45X1,0</i>	1	999.702.216.42
4	VSHL-DECKEL 61,5X72,6 <i>closing cover</i>	1	999.702.255.40
5	6KT-MU M6 <i>hex nut M6</i>	2	999.076.067.01
6	Abdeckplatte <i>cover plate</i>	R 1	996.572.721.01
7	Gebläseeinheit komplett <i>blower unit assembly</i>	R 1	997.573.011.90
8	Gebläse <i>fan</i>	1	996.624.107.01
9	Splint <i>splint</i>	1	477.819.343









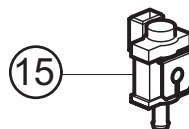
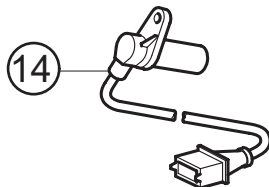
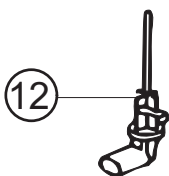
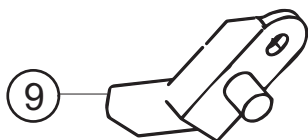
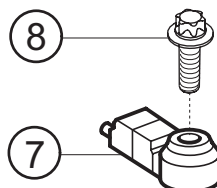
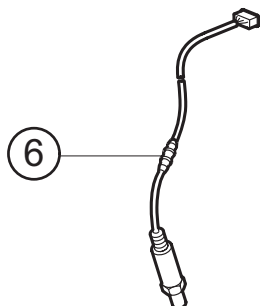
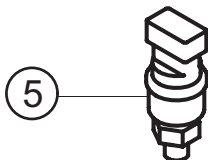
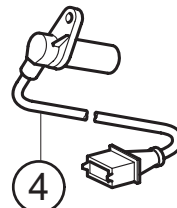
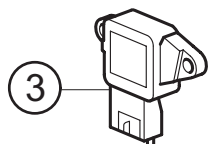
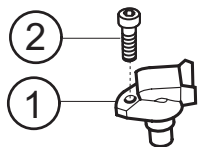


**Elektrik / Electrical equipment**

- Steuergerät + Zündung / *engine control unit*
- Sensoren / *sensors*
- Kabelstränge / *cable looms*
- Lichtmaschine + Anlasser + Batterie / *generator + starter + battery*
- Lenkstockschalter / *steering column switch*
- Scheibenwischeranlage / *windscreen wiper unit*
- Scheibenwaschanlage / *windscreen wash system*
- Frontscheinwerfer / *headlight*
- Heckleuchte / *rearlight*
- MoTec-System / *MoTec-system*
- Instrumententafel / *dashboard*
- Trägerplatte Mittelkonsole / *support-plate center console*
- Hauptrelais + Sicherungen / *main relay and fuses*

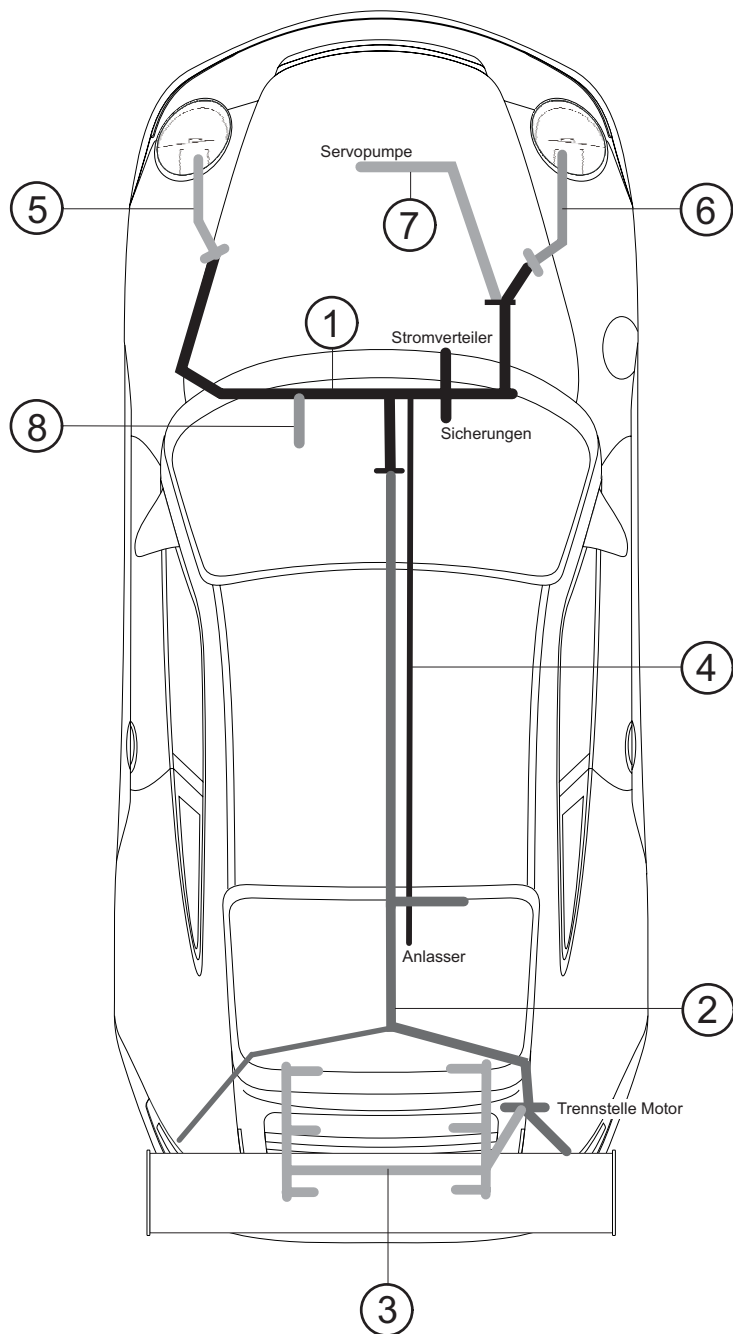


Sensoren / sensors



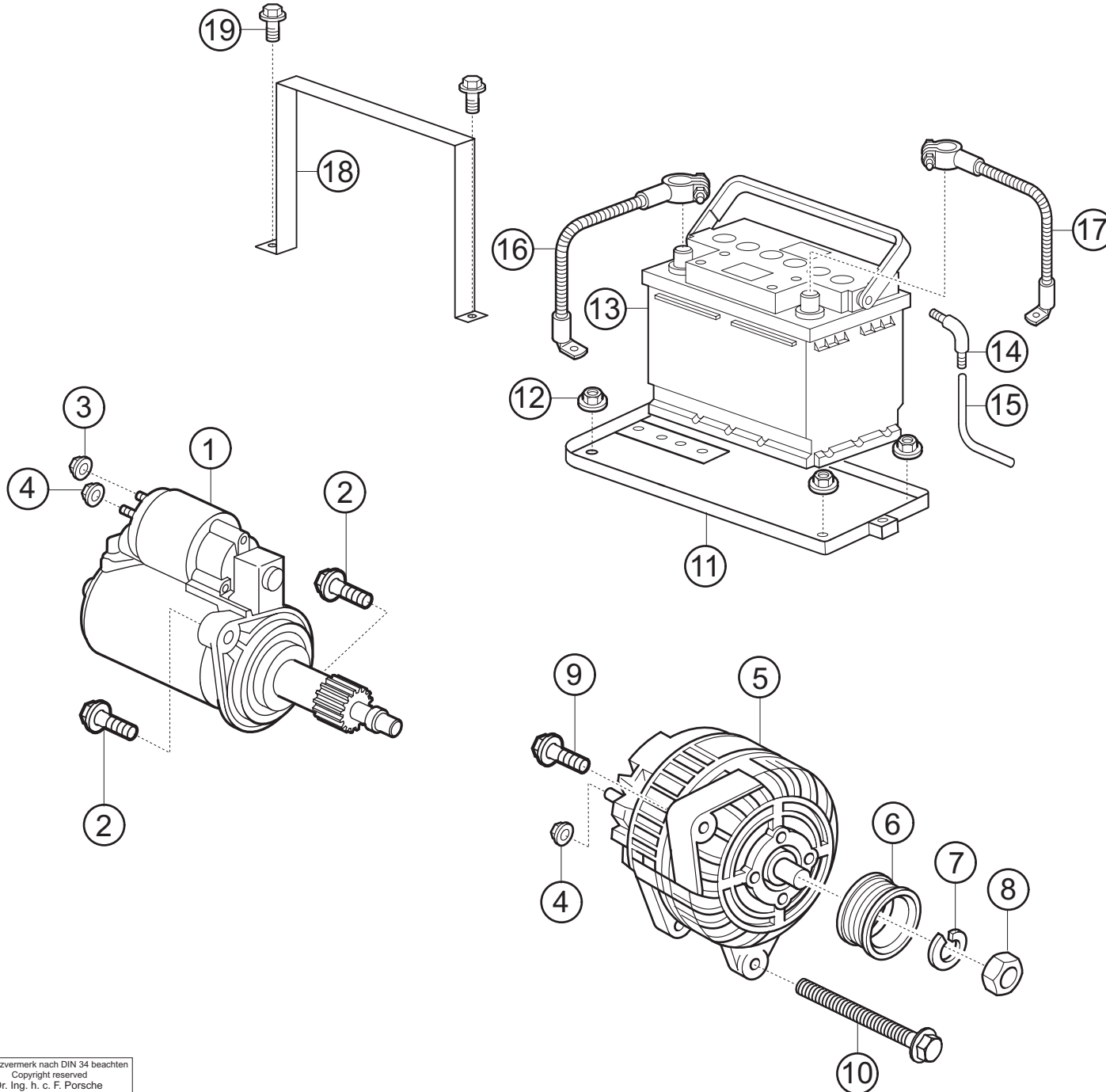
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Hallgeber <i>hall sensor</i>	1	997.606.106.01
2	ZYL-SHR M6X16 <i>fillister screw M6X16</i>	1	900.387.264.01
3	Drosselklappengeber <i>throttle blade sensor</i>	1	996.606.116.00
4	Drehzahlgeber Motor <i>speed sensor engine</i>	1	996.606.105.01
5	Druckgeber Kraftstoff/Öl/Wasser <i>pressure sensor fuel/oil/water</i>	R 3	997.606.203.90
	Druckgeber Kupplung <i>pressure sensor for clutch</i>	R 1	997.606.203.91
6	Lambdasonde <i>lambda probe</i>	2	996.606.128.00
7	Klopfsensor <i>knock sensor</i>	2	997.606.121.00
8	6RD-SHR M8X35 <i>torx screw M8X35</i>	2	900.385.042.01
9	Druckgeber Umgebung <i>environment pressure-sensor</i>	R 2	9R4.606.205.00
10	Temperaturfühler Motorraum <i>temperature sensor engine bay</i>	1	997.606.213.00
11	Temperaturgeber Wasser <i>temperature sensor water</i>	1	996.606.410.00
12	Schalter Kühlwasser <i>switch for cooling liquid</i>	1	997.641.503.00
13	Temp.geber Motoröl <i>temp.sensor engine oil</i>	R 1	996.606.223.9A
	Temp.geber Getriebeöl 150°C <i>temp.sensor gearbox oil 150°C</i>	R 1	996.606.224.9A
14	Drehzahlsensor Rad <i>speed-sensor for wheels</i>	4	996.606.406.00
15	Umschaltventil Resoklappe <i>switch-over valve reso-flap</i>	1	996.605.123.01

## Kabelstränge / cable looms



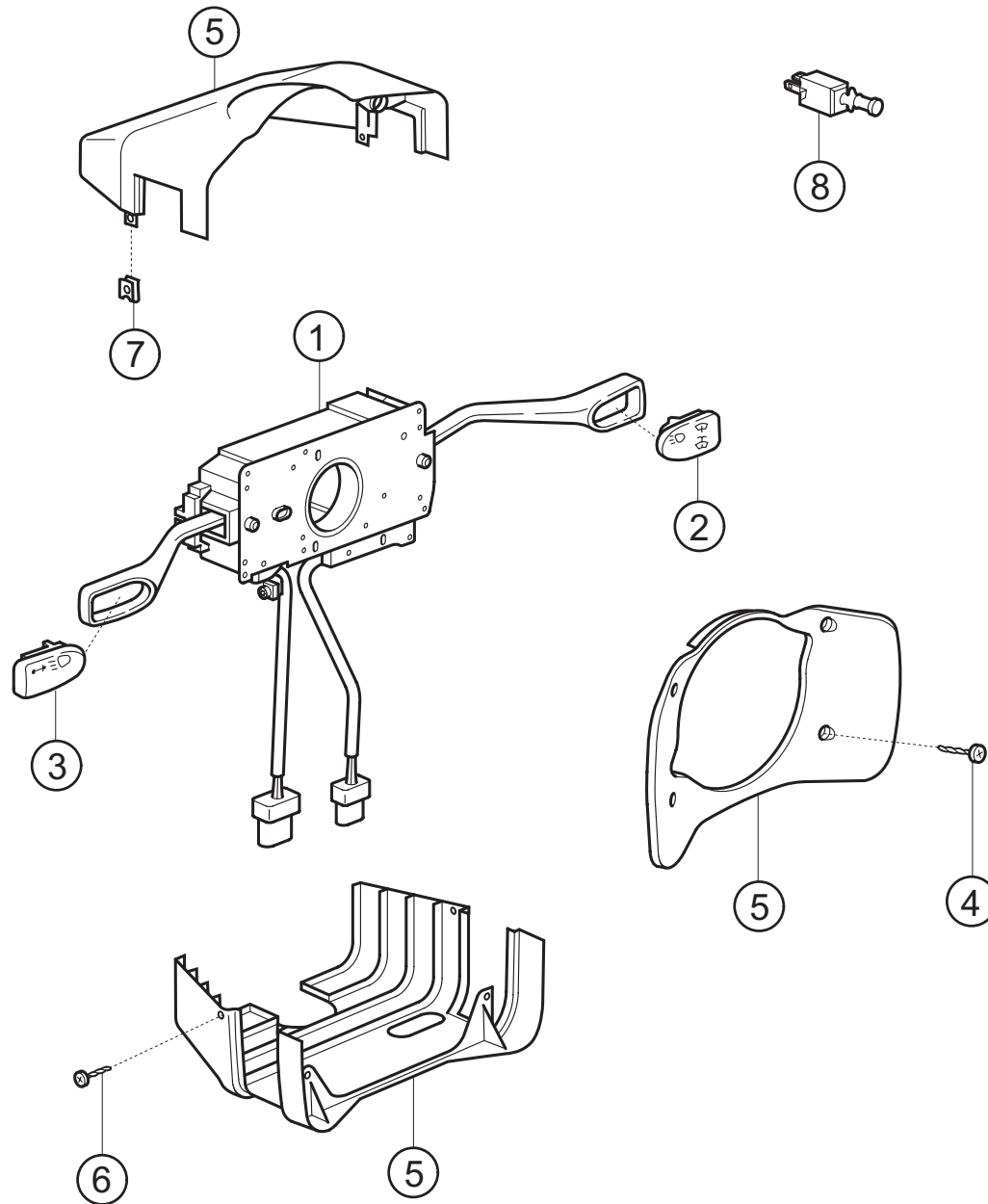
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
<b>1</b>	<b>Fahrzeugkabelstrang</b> <i>vehicle cable loom</i>	R	<b>1 997.612.101.93</b>
	Kombibinder 45 <i>tie wrap 45</i>	n.B.	999.591.126.40
	Kombibinder 33/33 <i>tie wrap 3,5x102</i>	n.B.	999.591.114.40
	Halter Diagnosestecker <i>support for diag.plug</i>	R	1 997.612.357.9A
<b>2</b>	<b>Heckkabelstrang</b> <i>rear end cable loom</i>	R	<b>1 997.612.801.94</b>
	KOMBI-BIN 45 einfach <i>tie wrap 45</i>	n.B.	999.591.126.40
	KOMBI-BIN 33/33 doppelt <i>tie wrap 33/33</i>	n.B.	999.591.114.40
	KOMBI-BIN 45 einfach <i>tie wrap 45</i>	R	4 999.591.416.40
	KAB-BEFES 4,5-10,0 (Klammer) <i>cable support 4,5-10,0</i>	R	6 999.507.964.02
	Halter Trennstelle Motorkabelstr. <i>separating-point support</i>	1	997.610.131.00
<b>3</b>	<b>Motorkabelstrang</b> <i>engine cable loom</i>	R	<b>1 997.607.012.92</b>
	Kabelbinder 1,5x50 <i>tie wrap 1,5x50</i>	10	999.513.075.40
	KOMBI-Binder 45 <i>tie wrap 45</i>	R	1 999.591.416.40
	KAB-HALT 11,0-18,0 <i>cable support 11,0-18,0</i>	1	999.511.240.40
	KAB-HALT 13,0 <i>cable support 13,0</i>	1	999.507.712.40
	KAB-BEFES 5,5-6,0 (Klammer) <i>cable support 5,5-6,0</i>	1	999.651.257.02
<b>o.B.</b>	<b>Massekabel Motor</b> <i>engine ground cable</i>		<b>1 996.607.034.01</b>
<b>4</b>	<b>Anlasserkabel B+</b> <i>starter cable B+</i>	R	<b>1 997.612.395.90</b>
<b>5</b>	<b>Bugstrang links</b> <i>front end cable-loom left</i>	R	<b>1 997.612.301.90</b>
<b>6</b>	<b>Bugstrang rechts</b> <i>front end cable-loom right</i>	R	<b>1 997.612.302.90</b>
<b>7</b>	<b>Kabelstrang Servopumpe</b> <i>cable loom for servo pump</i>	R	<b>1 997.612.775.91</b>
<b>8</b>	<b>Anschlusskabel Lenkrad</b> <i>cable loom steering wheel</i>	R	<b>1 997.612.881.90</b>
<b>o.B.</b>	<b>Rep.-Satz ABS-Kabelstrang VA</b> <i>rep.-kit ABS-cable loom front</i>	R	<b>2 997.612.938.91</b>
<b>o.B.</b>	<b>Rep.-Satz ABS-Kabelstrang HA</b> <i>rep.-kit ABS-cable loom rear</i>	R	<b>2 997.612.940.90</b>

## Lichtmaschine + Anlasser + Batterie / generator + starter + battery



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Anlasser 1,7 KW starter	1	996.604.107.00
2	6RD-SHR M10X35 torx screw M10X35	2	900.385.097.01
3	6KT-MU M8 Klemme 30 hex nut M8	1	900.377.003.01
4	6KT-MU M6 Klemme 50 hex nut M6	2	900.377.010.02
5	Drehstromgenerator 90 Ampere generator 90 Ampere	R 1	996.603.019.90
6	Riemenscheibe belt pulley	1	996.603.151.55
7	Federring B16 spring ring B16	1	N .012.016.1
8	6KT-MU M16X1,5 hex nut M16X1,5	1	900.034.013.02
9	6RD-SHR M10X60 torx screw M10X60	1	900.385.004.01
10	6KT-SHR M10X130 hex screw M10X130	1	900.378.129.09
11	Batterieauflageblech battery supporting-plate	R 1	997.504.051.90
12	6KT-BUND-MU M8 hex collar nut M8	4	999.084.630.01
13	Batterie 12V 50AH battery	R 1	999.611.053.00
	Batterie 12V 50AH ohne Säure battery without acid	1	999.611.053.20
o.B.	Polschutzkappe terminal cover	1	999.611.104.00
14	Entgasungsschlauch degassing hose	R n.B.	999.181.722.40
15	Winkelstück angle piece	1	893.915.507
16	Massekabel ground cable	1	997.611.090.00
17	Pluskabel positive cable	1	996.612.090.10
18	Haltebügel Batterie retainer	R 1	997.504.279.90
19	6KT-SHR M8X20 hex screw M8X20	3	900.378.017.01

Lenkstockscharter + Scharter Bremspedal / steering column switch + brake switch

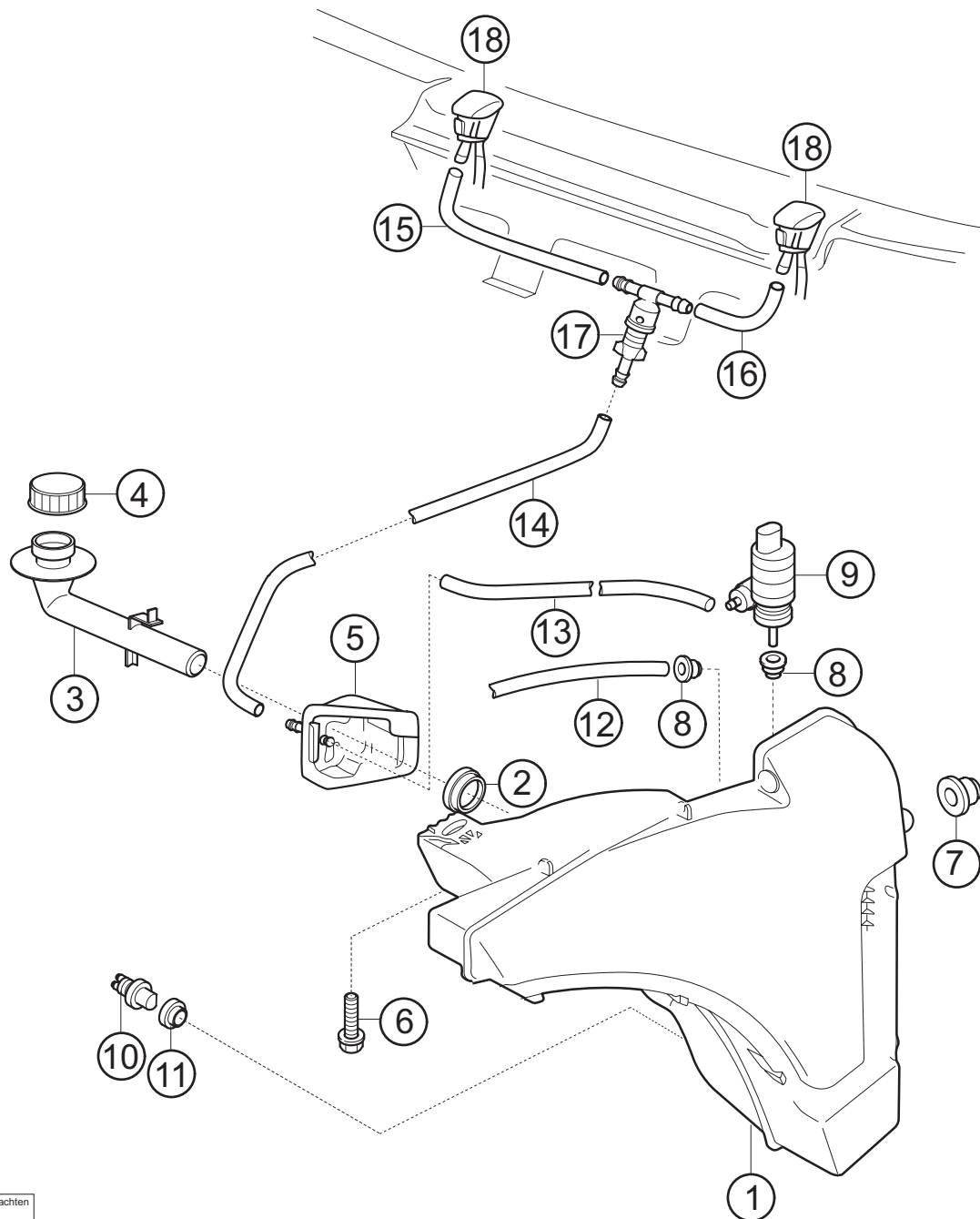


Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Lenkstockscharter steering-column switch	1	996.613.213.10 EWC
2	Symbolclip links Blinker symbol clip left flasher	1	996.613.509.10 A05
3	Symbolclip rechts Wischer symbol clip right wiper	1	996.613.508.10 A05
4	BLECH-SHR B 3,5x19 tapping screw B3,5x19	4	900.143.072.09
5	Schaltergehäuse plastic housing	R 1	996.552.073.90 A03
6	BLECH-SHR B 2,9x9,5 tapping screw B2,9x9,5	2	900.143.002.07
7	BLECH-MU B 2,9 plate nut B 2,9	1	999.591.888.02
8	Scharter Bremspedal switch for brake pedal	1	996.613.113.02





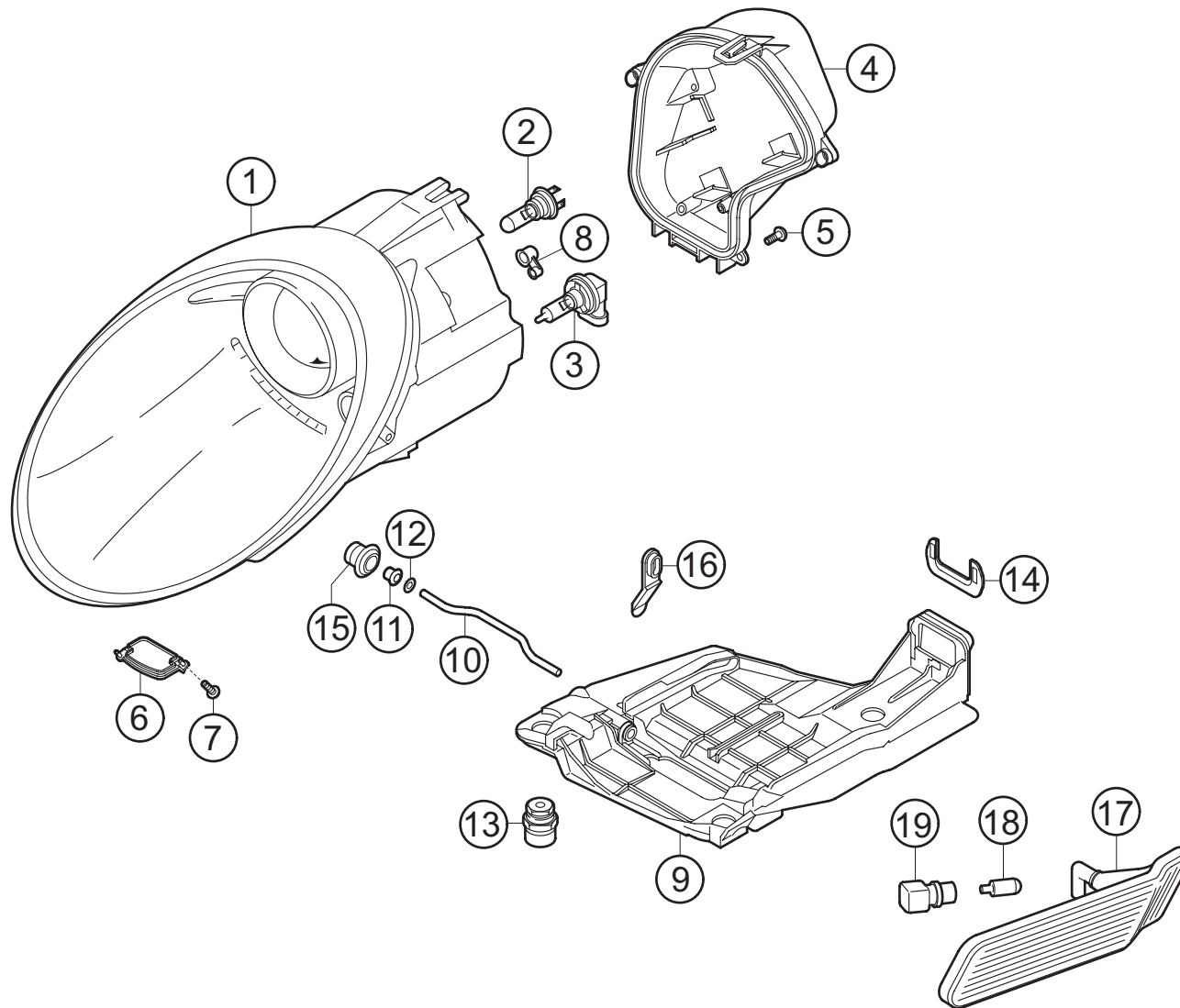
**Scheibenwaschanlage / windshield washer-system**



Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Wasserbehälter 2,5 Liter <i>water tank 2,5 liter</i>	1	997.528.701.00
2	Dichtung <i>sealing piece</i>	1	996.528.711.00
3	Einfüllstutzen komplett <i>filling neck assembly</i>	R 1	997.528.105.90
4	Deckel <i>cap</i>	1	996.528.607.00
5	Konsole <i>retaining bracket</i>	1	996.528.615.01
6	6KT-SHR M8x35 8.8 <i>hex screw M8x35 8.8</i>	1	900.378.154.01
7	Tuelle <i>grommet</i>	2	999.702.221.40
8	Dichtung <i>sealing piece</i>	2	431.955.465.B
9	Pumpe <i>water pump</i>	1	997.628.182.00
10	Vorratsschalter <i>water-level switch</i>	1	955.628.105.00
11	Dichtung <i>sealing part</i>	1	955.528.721.00
12	Entlüftungsrohr 273mm <i>ventilation tube</i>	1	999.181.347.40
13	Schlauch 375mm 5,0x2,5 <i>water hose</i>	n.B.	999.181.815.40
14	Schlauch 610mm 5,0x2,5 <i>water hose</i>	n.B.	999.181.815.40
15	Schlauch 347mm 5,0x2,5 <i>water hose</i>	n.B.	999.181.815.40
16	Schlauch 97mm 5,0x2,5 <i>water hose</i>	n.B.	999.181.815.40
17	T-Stück <i>T-piece</i>	1	999.137.005.40
18	Waschdüse beheizt <i>washer-nozzle heated</i>	2	997.628.077.00

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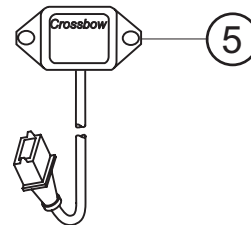
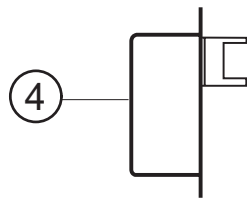
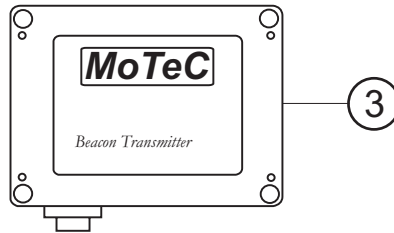
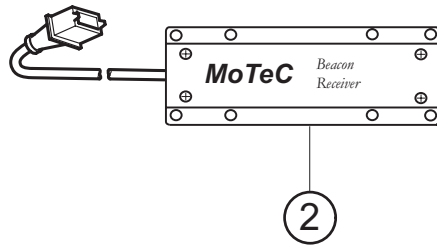
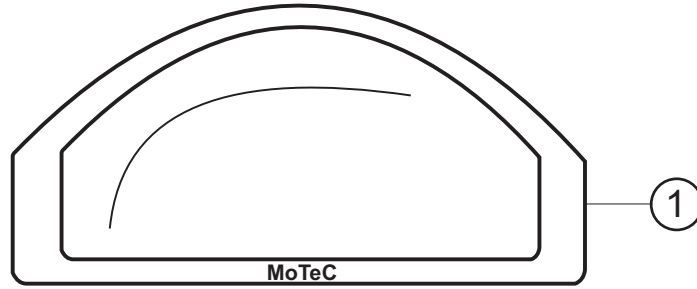
Frontscheinwerfer / headlight



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Hauptscheinwerfer links (P. 3-8) <i>headlight left</i>	1	997.631.163.03
	Hauptscheinwerfer rechts (P. 3-8) <i>headlight right</i>	1	997.631.164.03
2	Glühlampe H7 <i>bulb H7</i>	1	999.631.133.91
3	Halogen Glühlampe H9 <i>bulb H9</i>	1	999.631.143.90
4	Schutzhaube links <i>protection cap left</i>	1	997.631.101.00
	Schutzhaube rechts <i>protection cap right</i>	1	997.631.102.00
5	Schneidschraube <i>screw</i>	4	997.631.191.00
6	Belüftungselement links <i>ventilation part left</i>	1	997.631.149.00
	Belüftungselement rechts <i>ventilation part right</i>	1	997.631.150.00
7	Schneidschraube <i>screw</i>	1	997.631.153.00
8	Entlüftungsstutzen <i>ventilation neck</i>	1	997.631.249.00
9	Aufnahme links komplett P.10-14 <i>headlight support assembly left</i>	1	997.631.073.02
	Aufnahme rechts komplett P.10-14 <i>headlight support assembly right</i>	1	997.631.074.02
10	Klemmbügel <i>retaining bow</i>	1	997.631.273.01
11	Lagerbuchse <i>bushing</i>	1	997.631.272.00
12	Sicherungscheibe <i>securing disk</i>	1	900.116.004.09
13	Befestigungselement <i>fastening element</i>	3	997.631.194.02
14	Verriegelung Steckergehäuse <i>fastening element</i>	1	997.631.245.00
15	Stopfen <i>plug</i>	1	999.703.413.40
16	Stopfen <i>plug</i>	1	993.631.170.03
17	Seitenblinkleuchte links <i>indicator left</i>	1	997.631.033.01
	Seitenblinkleuchte rechts <i>indicator right</i>	1	997.631.034.01
18	Blinkerbirne <i>indicator bulb</i>	1	999.631.138.90
19	Lampenfassung Blinkerleuchte <i>bulb socket</i>	1	997.631.133.00



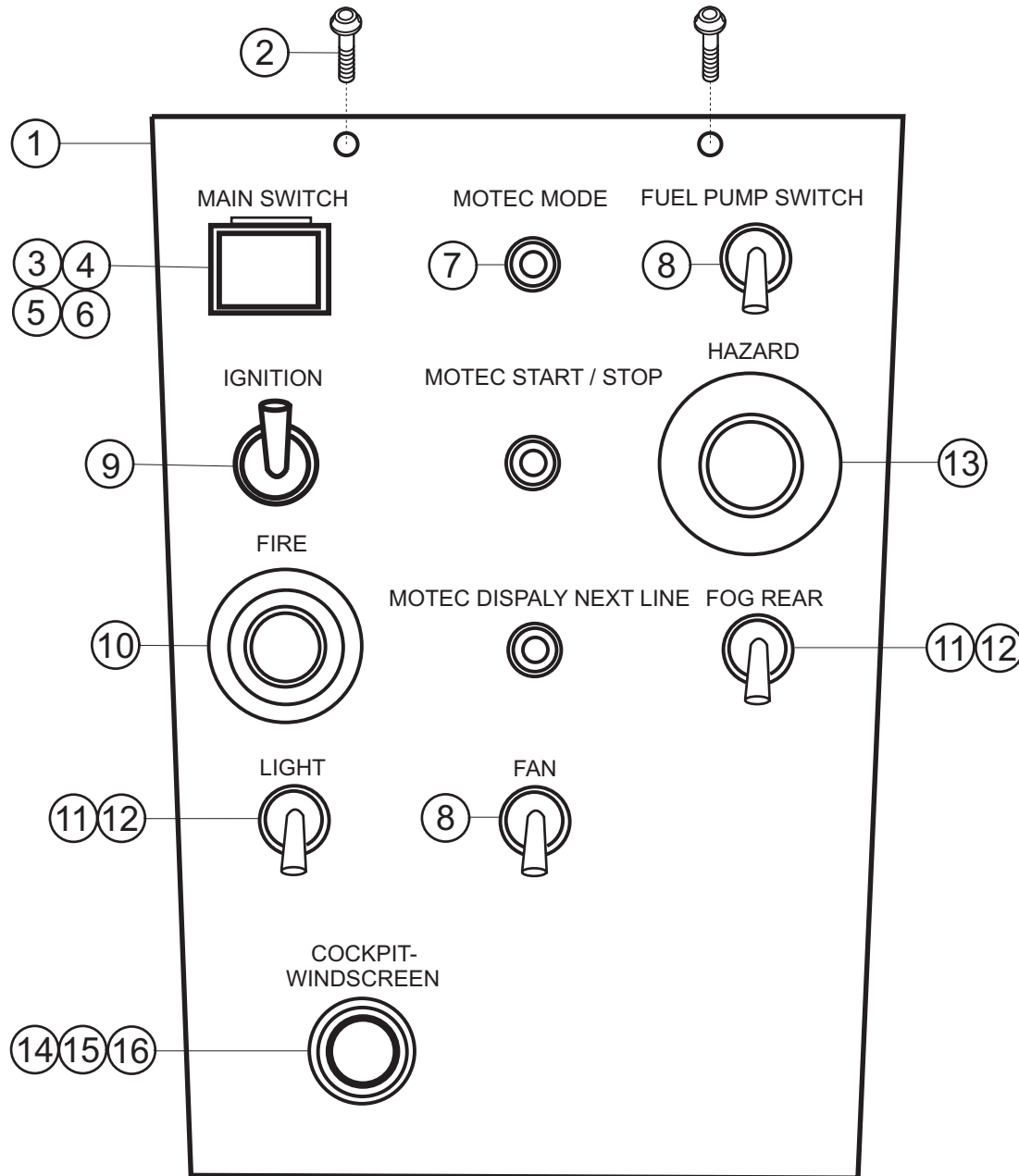
### MOTEC-System / MOTEC-system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Anzeigeeinstrument <i>display</i>	R 1	997.641.231.91
2	Laptrigger Empfänger <i>laptrigger receiver</i>	R 1	996.641.233.9D
o.B.	Halter für Empfänger <i>bracket for receiver</i>	R 1	997.641.333.92
3	Laptrigger Sender <i>laptrigger transmitter</i>	R 1	996.641.234.9C
4	Signalwandler Back light <i>signal converter</i>	R 1	996.641.243.9C
5	Querbewegungssensor <i>g-accelerometer</i>	R 1	996.641.241.9C
o.B.	Software-CD <i>software-CD</i>	R 1	997.641.531.92
o.B.	USB-Auslesekabel <i>USB read-out cable</i>	R 1	996.641.239.9D

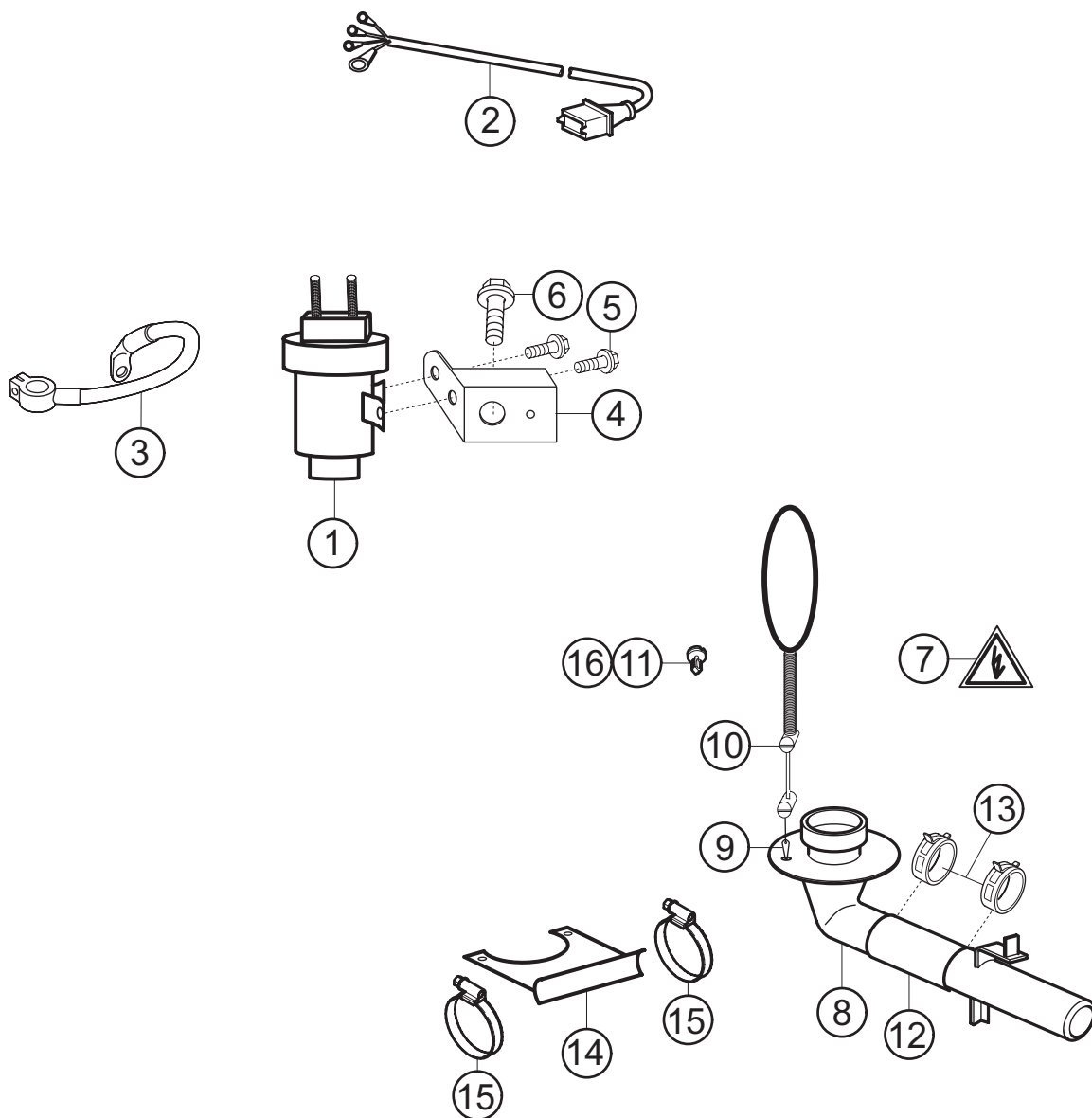


Trägerplatte Mittelkonsole / support-plate center console



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Trägerplatte komplett <i>carrier plate assembly</i>	R 1	997.613.185.91
2	BLECH-SHR ST4,2x13 <i>tapping screw ST4,2x13</i>	2	999.073.339.09
3	Druckschalter <i>pressure switch</i>	R 1	996.613.261.95
4	Kontaktteil <i>contact member</i>	R 1	996.613.267.95
5	Tastenkappe Rot <i>tip switch cap red</i>	R 1	996.613.281.95
6	Schutzklappe <i>protective cap</i>	R 1	996.613.283.90
7	Taste für MOTEC-System <i>tip-switch for MOTEC</i>	R 3	996.613.365.9A
8	Wechselschalter <i>change-over switch</i>	R 2	996.613.361.9A
9	Schalter für Zündung <i>switch for ignition</i>	R 1	9R1.613.227.00
10	Feuerlöscherschalter <i>switch for exting.system</i>	R 1	996.722.423.9A
11	Wechselschalter <i>change-over switch</i>	R 2	997.613.361.9A
12	Blende Wechselschalter on/off <i>mask change-over switch on/off</i>	R 2	997.613.363.9A
13	Warnblinkschalter <i>switch for hazard light</i>	R 1	956.613.124.00
14	Bedienteil Gebläsezug <i>control device for pull</i>	R 1	997.572.693.90
15	Verschraubung Gebläsezug <i>screw connection for pull</i>	R 1	997.572.692.90
16	Gebläsezug <i>pull for fan</i>	R 1	997.572.501.90

## Hauptrelais + Sicherungen / main relay and fuses



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Hauptrelais <i>main relay</i>	R 1	996.612.927.90
	Hauptrelais komplett <i>main-relay assembly</i>	R 1	997.612.227.91
2	Anschlußkabel <i>connecting cable</i>	R 1	996.612.333.90
3	Batteriekabel B+ <i>battery cable</i>	1	996.612.090.10
4	Halter für Hauptrelais+Batt. <i>bracket for relay+battery</i>	R 1	997.611.209.90
5	6KT-SHR M5x12 <i>hex screw M5x12</i>	2	900.075.361.02
6	6KT-SHR M8x20 für Halter <i>hex screw M8x20</i>	2	900.378.017.01
7	Aufkleber Not-Aus außen <i>sticker emerg.-off outside</i>	R 1	930.006.507.00
8	Not-Aus Schalter komplett <i>emerg.switch assembly</i>	R 1	997.528.105.90
9	Schalter <i>switch</i>	R 1	996.613.261.80
10	Schwenkklemme <i>clamp</i>	R 2	996.611.325.90
11	Halteclip Not-Aus Zug <i>clip for emerg. pull</i>	1	999.513.057.40
12	Schlauchstück <i>rubber hose</i>	R 1	997.528.625.90
13	Federbandschelle B32x12 <i>hose clamp</i>	R 2	999.512.662.09
14	Halter Not-Aus Schalter <i>support for emerg. switch</i>	R 1	997.528.607.90
15	Schelle f. Halter Not-Aus Schalter <i>clamp for support emerg. switch</i>	2	999.512.678.00
16	Clip Schlaufe an Windlauf <i>clip for loop on cowl</i>	1	999.507.506.40
o.B.	Microrelais <i>microrelay</i>	5	999.657.015.90
o.B.	Kleinrelais <i>minirelay</i>	1	999.657.017.90
o.B.	Arbeitskontaktrelais <i>relay</i>	4	141.951.253.B
o.B.	Blinkwarnlichtrelais <i>turn signal relay</i>	1	1H0.953.227
o.B.	Relais Kraftstoffpumpe <i>relay for fuel pump</i>	1	996.615.101.00
o.B.	5A Sicherung <i>fuse 5A</i>	n.B.	999.607.082.00
o.B.	7,5A Sicherung <i>fuse 7,5A</i>	R n.B.	999.607.083.00

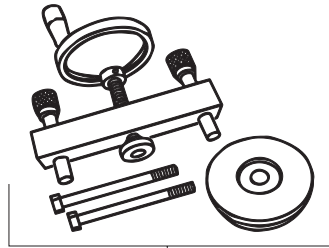




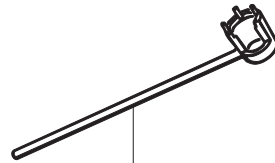
**Zubehör und Werkzeuge / Accessories and tools**

- Werkzeuge / *tools*
- Sonderwerkzeuge Getriebe / *special tools for gearbox*
- Zubehör / *accessories*
- Fette und Flüssigkeiten / *greases and liquids*
- Lufthebeanlage / *airjack system*
- Feuerlöschanlage / *fire-extinguishing system*
- Wasserbefüll und -entlüftungseinheit / *waterflush unit*

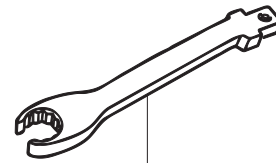
Werkzeuge / tools



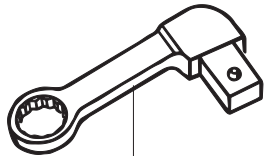
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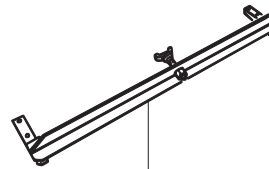
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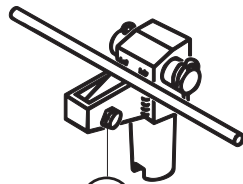


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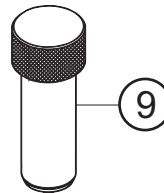
Werkzeug muß modifiziert werden.  
Tool must be modified.



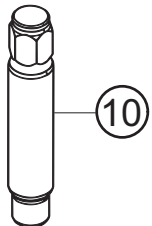
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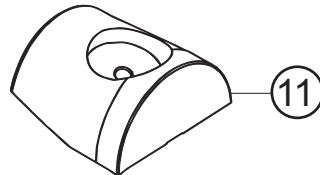
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11

Pos.	Bezeichnung / Description	St./Pc.	Teile Nr./Part no.
1	Montagewerkzeug Zyl.-Büchse <i>mounting tool cylinder bush</i>	R 1	996.721.533.90
2	Kettenradgegenhalter <i>holder for chain-sprocket</i>	R 1	996.721.513.90
3	Drehmomentaufsatz Spurst. VA <i>tool track-rod front</i>	1	000.721.962.50
4	Drehmomentaufsatz Excenter HA <i>tool excenter rear-axle</i>	1	000.721.962.60
5	Abstützung <i>support for jack</i>	1	000.721.911.12
6	Motorhalter zum Absenken Motor <i>holder for engine</i>	1	000.721.962.41
7	Wagenheberplatte Motormontage <i>jackplate for mounting engine</i>	1	000.721.911.10
8	Wagenheberadapter <i>adapter for jack</i>	1	000.721.911.11
9	Auspresswerkzeug VA <i>press-out tool front axle</i>	R 1	996.721.920.90
10	Druckstange VA <i>pressure rod for front axle</i>	R 1	996.721.923.90
11	Druckstück für Vorderachse <i>pressure piece for front axle</i>	R 1	996.721.921.90
o.B.	Abstandsklotz für Kolbenmontage <i>distance block f. piston mounting</i>	R 1	996.721.527.90
o.B.	Abstandshülse 1 Kolbenmontage <i>dist.sleeve 1 for piston mounting</i>	R 1	996.721.529.90
o.B.	Abstandshülse 2 Kolbenmontage <i>dist.sleeve 2 for piston mounting</i>	R 1	996.721.531.90
o.B.	Spannband für Kolbenmontage <i>fixing strap for piston mounting</i>	R 1	996.721.535.90
o.B.	Kolbenspannbandzange <i>pliers for piston mouting</i>	R 1	996.721.541.90
o.B.	Maulschlüssel SW 31 f. Nockenw. <i>31mm open ended spanner</i>	R 1	996.721.563.9A
o.B.	Feststeller für Lenkrad <i>arrester for steering wheel</i>	R 1	996.450.361.90
o.B.	Feststeller für Bremspedal <i>arrester for brake pedal</i>	R 1	996.450.363.90

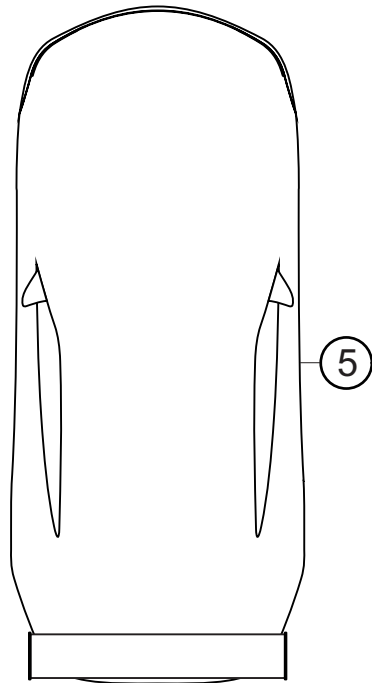
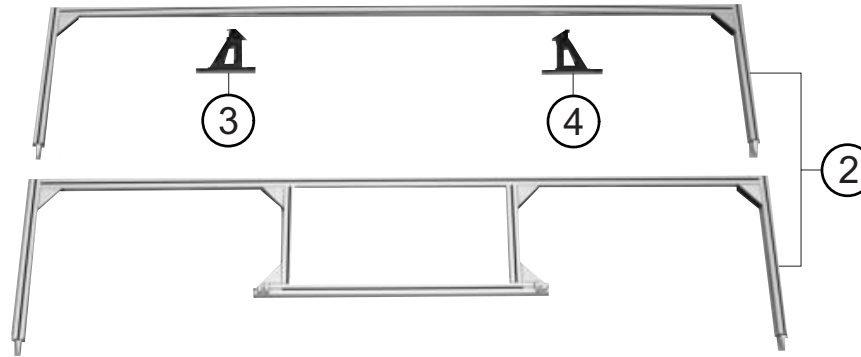
Schutzvermerk nach DIN 34 beachten  
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Dr. Ing. h. c. F. Porsche  
Aktiengesellschaft



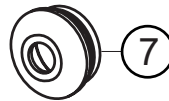
## Zubehör / accessories



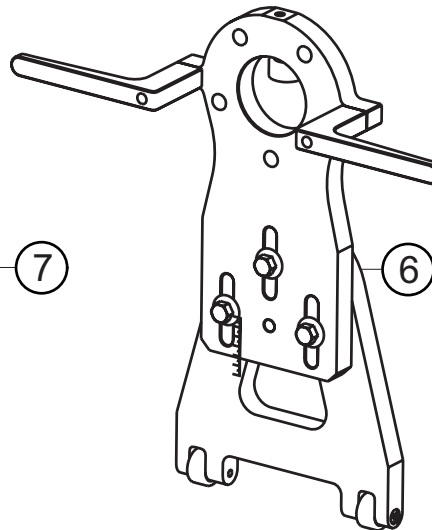
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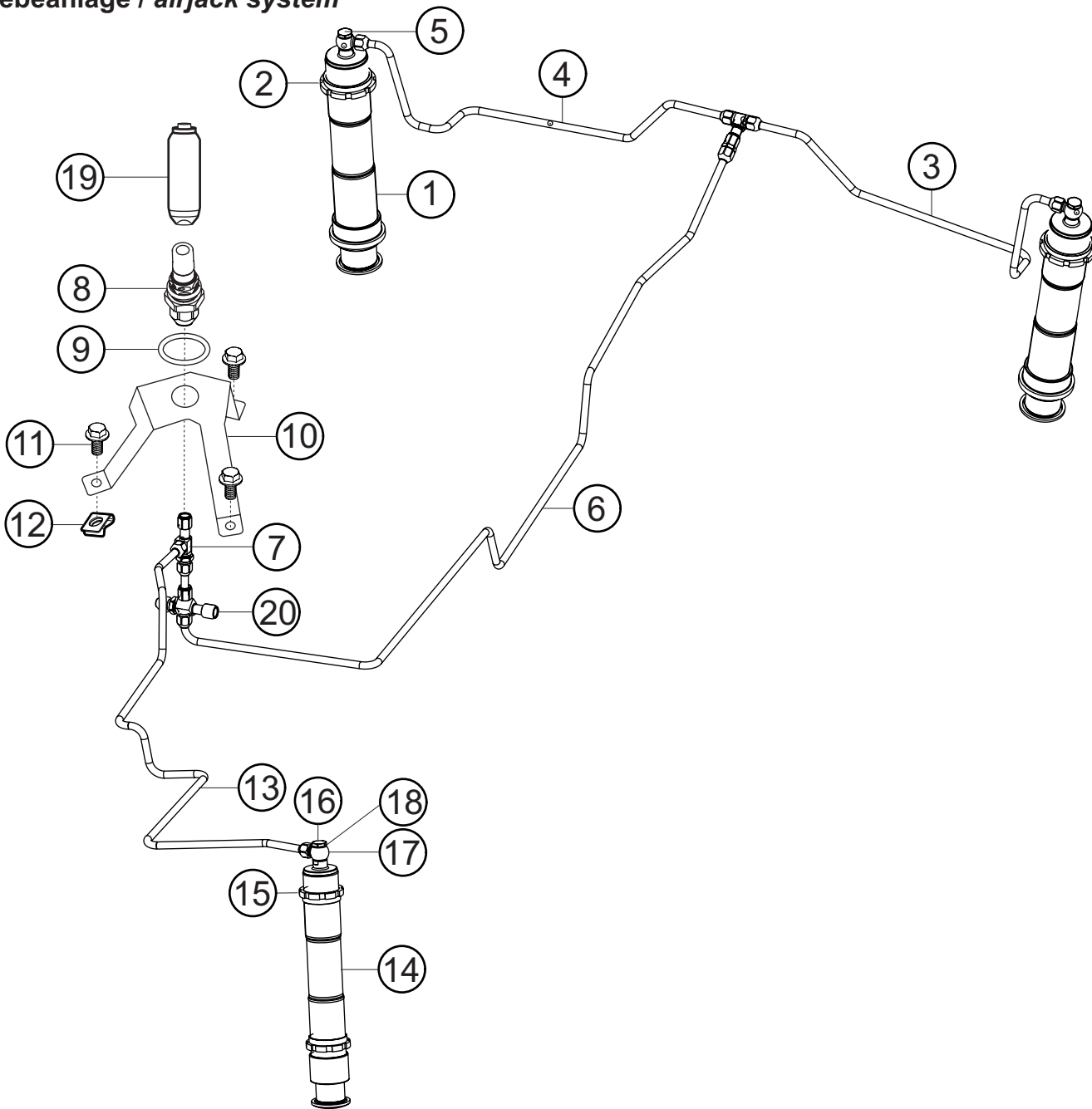
Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Modas Software+Interfacekabel <i>Modas software+interface cable</i>	R 1	997.618.901.91
	Bosch Modas Software-CD <i>Bosch Modas software-CD</i>	R 1	997.618.811.91
	Bosch Modas Interface-Kabel* <i>Bosch Modas interface-cable*</i>	R 1	997.618.911.9A
2	Achsmessvorrichtung <i>track-measuring device</i>	R 1	997.450.351.90
3	Halter vorne links <i>bracket front left</i>	R 1	997.450.561.90
4	Halter vorne rechts <i>bracket front right</i>	R 1	997.450.562.90
5	Abdeckplane 911 GT3 Cup <i>tonneau cover</i>	R 1	997.721.050.90
6	Messrad (Losrad) <i>measuring wheel (rolling wheel)</i>	R 2	997.450.230.91
	Messrad (Festrad) <i>measuring wheel (fixed wheel)</i>	R 2	997.450.229.91
7	Adapter Messrad <i>adapter for measuring wheel</i>	R 4	997.450.334.91

\* nur im Tausch erhältlich  
\* just available in exchange

**Fette + Flüssigkeiten / greases + liquids**

<u>Bezeichnung / Description</u>	<u>Teile Nr. / Part no.</u>	<u>Bezeichnung / Description</u>	<u>Teile Nr. / Part no.</u>
1. Pentosin (Servoöl) CHF 11S <i>oil for power steering</i>	000.043.206.56	13. Loctite Kleber 574 <i>Loctite bond 574</i>	R 999.915.281.40
2. Bremsflüssigkeit Endless <i>brake fluid Endless</i>	R 996.355.960.90	14. Drei Bond Silicone 1209 <i>sealing compound</i>	R 999.915.557.40
3. Kühlflüssigkeit 1 L Gebinde <i>cooling liquid 1L canister</i>	000.043.301.03		
4. Korrosionsschutzmittel Kühlwasser 1 Liter <i>corrosion preventive cooling liquid 1L canister</i>	R 997.106.907.90		
5. Getriebeöl Mobilube 1 SHC 75W 90 <i>gearbox oil</i>	R 999.917.062.00		
6. Copaslip Kupferfett <i>Copaslip copper-grease</i>	R 999.917.724.00		
7. Fett HT1LF <i>grease HT1LF</i>	000.043.110.01		
8. Fett für Simmerringe 50g Tube <i>grease for shaft sealing ring 50g</i>	R 999.917.779.00		
9. Fluorfett 100g <i>Fluor-grease</i>	R 999.917.726.00		
10. Optimoly <i>Optimoly</i>	000.043.020.00		
11. Achswellenfett 100g Tube <i>grease for driveshaft 100g</i>	R 996.332.897.9A		
12. Höchstdruckfett <i>EP grease</i>	000.043.024.00		

Lufthebeanlage / airjack system



Pos.	Bezeichnung / Description	St./Pc	Teile Nr./Part no.
1	Hubzylinder hinten <i>lifting cylinder rear</i>	R 2	997.583.111.91
2	Kontermutter Hubzylinder hinten <i>counternut for lifting cyl. rear</i>	R 2	997.583.517.90
3	Leitung hinten links <i>line rear left</i>	R 1	997.583.205.90
4	Leitung hinten rechts incl. Pos.5 <i>line rear right incl. Pos.5</i>	R 1	997.583.107.91
5	Hohlschraube Entlüftung <i>ventilation screw</i>	R 1	997.583.311.9B
6	Leitung lang mit T-Stück <i>line with T-connector</i>	R 1	997.583.201.91
7	T-Stück <i>T-connector</i>	R 1	997.583.595.90
8	Hauptventil <i>main valve</i>	R 1	997.583.103.00
9	O-Ring 30X2 <i>o-ring 30X2</i>	R 1	999.707.164.40
10	Halter für Luftlanze <i>support for air inlet pipe</i>	R 1	997.504.273.91
11	6KT-SHR M6X16 <i>hex screw M8X16</i>	R 3	900.075.413.01
12	BL-MU M6 <i>plate nut M6</i>	1	999.507.766.02
13	Luftleitung vorne <i>air line front</i>	R 1	997.583.203.90
14	Hubzylinder vorne <i>lifting cylinder front</i>	R 1	997.583.113.90
15	Kontermutter Hubzylinder vorne <i>counternut for lifting cyl. front</i>	R 1	997.583.515.90
16	Hohlschraube M14X1,5X31 <i>hollow screw M14X1,5X31</i>	R 1	999.215.034.30
17	Ringstück 3/8-24 UNF <i>ring connector 3/8-24 UNF</i>	R 1	999.215.028.30
18	Dichtring für Hohlschraube <i>sealing ring for hollow screw</i>	R 2	997.583.891.90
19	Luftlanze <i>air inlet pipe</i>	R 1	997.583.101.00
20	Überdruckventil <i>over pressure valve</i>	R 1	997.583.543.90
o.B.	Tülle 3,0x34,5X1,5 <i>rubber grommet</i>	1	927.631.224.01
o.B.	Tülle 14,0x45,0X1,0 <i>rubber grommet</i>	1	999.702.216.42





Wasserbefüll und -entlüftungseinheit / *waterflush unit*



Kühlwasserbefüll- und entlüftungseinheit + Schlauchpaket 230V AC  
*Waterflush unit with accessories 230V AC*

Sobek-Nr. Z-B 1000 3017

Kühlwasserbefüll- und entlüftungseinheit + Schlauchpaket 115V AC  
*Waterflush unit with accessories 115V AC*

Sobek-Nr. Z-B 1000 3018

Kühlwasserbefüll- und entlüftungseinheit + Schlauchpaket 12V DC  
*Waterflush unit with accessories 12V DC*

Sobek-Nr. Z-B 1000 3019

**Diese Teile sind zu beziehen über:**  
***These parts are just available at:***

Bernd Sobek-Mattern

Fliederstr.10  
69517 Gornheimertal

Tel: 0049- (0)6201-2051  
Fax: 0049- (0)6201-21834

e-mail: [info@sobek-mattern.de](mailto:info@sobek-mattern.de)