

User's manual and Parts book
Návod k použití a katalog
náhradních dílů

GARUDAN®

GARUDAN GZ-625 series



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Foreword

This instruction manual is intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations.

The instruction manual contains important information on how to operate the machine securely, properly and economically. Observation of the instructions eliminates danger, reduces costs for repair and down-times, and increases the reliability and life of the machine.

The instruction manual is intended to complement existing national accident prevention and environment protection regulations.

The instruction manual must always be available at the machine/sewing unit.

The instruction manual must be read and applied by any person that is authorized to work on the machine/sewing unit. This means:

- Operation, including equipping, troubleshooting during the work cycle, removing of fabric waste,
- Service (maintenance, inspection, repair) and/or
- Transport.

The user also has to assure that only authorized personnel work on the machine.

The user is obliged to check the machine at least once per shift for apparent damages and to immediately report any changes (including the performance in service), which impair the safety.

The user company must ensure that the machine is only operated in perfect working order.

Never remove or disable any safety devices.

If safety devices need to be removed for equipping, repairing or maintaining, the safety devices must be remounted directly after completion of the maintenance and repair work.

Unauthorized modification of the machine rules out liability of the manufacturer for damage resulting from this.

Observe all safety and danger recommendations on the machine/unit! The yellow-and-black striped surfaces designate permanent danger areas, eg danger of squashing, cutting, shearing or collision.

Besides the recommendations in this instruction manual also observe the general safety and accident prevention regulations!

General safety instructions

The non-observance of the following safety instructions can cause bodily injuries or damages to the machine.

1. The machine must only be commissioned in full knowledge of the instruction book and operated by persons with appropriate training.
2. Before putting into service also read the safety rules and instructions of the motor supplier.
3. The machine must be used only for the purpose intended. Use of the machine without the safety devices is not permitted. Observe all the relevant safety regulations.
4. When gauge parts are exchanged (e.g. needle, presser foot, needle plate, feed dog and bobbin) when threading, when the workplace is left, and during service work, the machine must be disconnected from the mains by switching off the master switch or disconnecting the mains plug.
5. Daily servicing work must be carried out only by appropriately trained persons.
6. Repairs, conversion and special maintenance work must only be carried out by technicians or persons with appropriate training.
7. For service or repair work on pneumatic systems, disconnect the machine from the compressed air supply system (max. 7-10 bar). Before disconnecting, reduce the pressure of the maintenance unit. Exceptions to this are only adjustments and functions checks made by appropriately trained technicians.
8. Work on the electrical equipment must be carried out only by electricians or appropriately trained persons.
9. Work on parts and systems under electric current is not permitted, except as specified in regulations DIN VDE 0105.
10. Conversion or changes to the machine must be authorized by us and made only in adherence to all safety regulations.
11. For repairs, only replacement parts approved by us must be used.
12. Commissioning of the sewing head is prohibited until such time as the entire sewing unit is found to comply with EC directives.
13. The line cord should be equipped with a country-specific mains plug. This work must be carried out by appropriately trained technicians (see paragraph 8).



It is absolutely necessary to respect the safety instructions marked by these signs.

Danger of bodily injuries !

Please note also the general safety instructions.



Adler class 366
Instructions for Operators

Edition January 1990

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1. Technical data cl. 366

Subclasse	:	-76-12	-76-12-RDAP
- Max. stitch length			
· forward	mm:	10	10
· backward	mm:	10	10
- Max. stitch width	mm:	12	12
(zig-zag)			
- Needle system	:	794	794
- Needle size	Nm:	140-250	140-250
(according to E-No.)			
- Thread thickness			
a) Cotton	NeB:	-	-
b) Synth. sewing thread	Nm:	11/3	11/3
c) Braided thread	Nm:	18/4	18/4
- Max. bobbin contents			
of thread b)	ca. m:	27	27
- Seam width / needle	mm:	-	-
clearance			
(according to E-No.)			
- Max. space below presser			
feet			
· Sewing	mm:	14	14
· Lifting (with NP)	mm:	14	14

2. Completion

2.1 Installation and connection

- Install the sewing machine on the table top
(Do not forget to connect to the ground!)
- Position the belt and, if required, correct the tension by modifying the motor position.
- Fit the belt guard on the motor and on the sewing machine
- Install the reel stand
- Connect the pedal with the rods
(In 366-76-12 hang-in the chain of the lifting lever on the right pedal)
- Install and connect the synchronizer.
- Establish electric connections of the machine (note the specifications on the type plate!)
- Establish pneumatic connections (366-76-12-RDAP)
 - For pneumatic oil see chapter 6.
 - For connecting the air hoses see fig. 1.
 - Verify the service pressure of 6 bar.
- Install and connect any additional equipment:
 - Screw the bobbin winder, controlled by cardioid cam, on the table top so that with the bobbin winder beewing switched on its wheel 1/5 is driven by the V-belt.
 - Connect the needle cooling to the non oiled compressed air (6 bar).
 - Connect the hook cooling to the oiled or non oiled compressed air (6 bar).
 - Install the oil atomizer with throttle on the stand on the left (fig. 3)

2.2 First use

- Oil the machine. (For the machine oil and the oil points see the chapter 6)
- Zero the position transmitter. (See the Quick operating instructions or the instructions for mechanics)
- Wind the lower thread and insert the bobbin into its case (chapter 4)
- Thread the needle (chapter 4)
- Conduct sewing test with material

3. Operating and functional elements

3.1 Elements on the sewing machine

- A/6 Additional handwheel (in 366-76-12)
- B/6,7 Stitch regulator lever
- C/6,7 Needle thread main tension with thread pulling spring
- D/6,7 Needle thread pre-tensions
- E/6,7 Thread guides
- F/6 Pressure regulating screw for fabric presser
(only in 366-76-12)
- F/7 Cylinder for pneumatic foot pressure and lift
(366-76-12-RDAP)
- f/7 Push-button for arresting the foot in its upper position
- G/6,7 Zigzag device
- O/6,7 Throw width control lever
- H/6,7 Bobbin winder
- J/4 Foot lifting lever (366-76-12)
- J/6,7 Lever for tilting the sewing machine
- L/7 Potentiometer for continuous speed control
- M/7 Key: backtacking within the seam
(366-76-12-RDAP)
- N/7 Key: needle up/down (1/2 Stitches)
(366-76-12-RDAP)
- R/7 Control panel

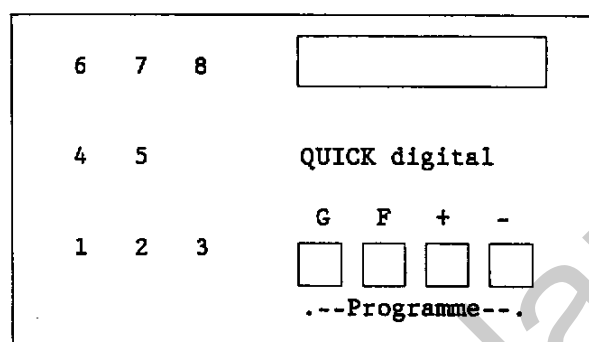
3.2 Elements on the stand

- P/2 Main switch
- Q/2 Motor control box
- S/2 Conditioning unit
- T/2 Manometer and pressure reducing valve for
pneum. foot pressure (366-76-12-RDAP)
- A/3 Oil atomizer for hook lubrication
- B/3 Throttle for hook lubrication

3.3 Elements on the control panel

Explanation:

- On the "Quick digital" control panel there are in the left half 8 switches, to the functions of which are subordinated any other memorized functions.
- In the right half, at bottom, there are 4 keys, permitting to release several functions, depending on which key is operated and when it is operated.
- In the right upper portion there is the 8 digit display field.



Switch	Function
1	Initial backtacking ON OFF
2	Final backtacking ON OFF
3	Needle cooling ON while sewing OFF
4	Initial backtacking double simple
5	Without function
6	Backtacking type Decorative backtack (stitch in stitch) Normal backtack
7	Sewing foot position above with the pedal below released
8	Without function

Key	Mode	Operation	Function
G	Sewing	tipping / pressing	-
	Adjustment (technician)	tipping / pressing	Indexing groups of hundreds step by step / continuously
F	Sewing	tipping / pressing	When the switches 1 or 2 are on, the following back- tack will be suppressed. When the switches 1 or 2 are off, an initial or a final backtack will be produced. (backtack inversion)
	Adjusting	tipping / pressing	Indexing the adjustment numbers step by step / continuously
+	Sewing	tipping / pressing	1 stitch will be sewn Sewing at the lowest speed
	Adjusting	tipping / pressing	The displayed value will be increased step by step / continuously
-	Sewing	tipping / pressing	Changing programme after programme end step by step / continuously
	Adjusting	tipping / pressing	The displayed value will be decreased step by step / continuously
G -	Sewing	G press.	Entering the adjustment mode
	Adjusting	- tipp. " "	Leaving the adjustment mode

Display Text	Meaning
MANUAL	Sewing mode M called up: normal (pedal-controlled) sewing
SEAM-A	Sewing mode A called up: Sewing the programmed section "A"
SEAM-B	Sewing mode B called up: Sewing the programmed seam sections B ₁ and B ₂
*---"---	Control mode M, A or B - Sewing mode on the technician level
---"---*	Confirmation of the backtack inversion (see F key)
----->F	Adjustment mode operator level
PROGRAM	Adjustment mode technician level
RESET+/-	Mode for resetting all values to the state as supplied
e. g. **2300**	Speed display
e. g. 101*0002	Adjustment number 101, value 2, - 2 initial backtack stitches forward
e. g. G7*****	Calling the group of hundreds 7 (G key) for the adjustment numbers 700-799
ERROR 1	Error when switching on - Machine switched on with the pedal being lowered - Knee switch in operated condition when adjusting
	Deleting: machine OFF/ON, without operating the pedal
ERROR 2 bis ERROR 6	Call the technician (Error description in the Quick Operating Instructions, page V)

4. Operation of the machine

4.1 Winding the lower thread

- Slip the empty bobbin onto the bobbin winder shaft.
- Pass the thread from the reel stand via the bobbin winder pretension and wind the thread several times around the bobbin.
- Press the lever V/5,6,7 against the bobbin.
- Switch on the machine and lower the pedal forwards.
(If the sewing is not started at the same time, lift the presser foot).
- As soon as the bobbin is full, the bobbin winder is disconnected automatically.

4.2 Inserting the bobbin into its case

- Switch off the machine.
- Move the thread take-up lever into its upper position.
- Press back the spring W/8; introduce a screwdriver between the spring and the bobbin case, so that the latter moves out.
- Insert the bobbin into its case so that, when unwinding the thread, the bobbin turns counter-clockwise. (Fig. 9)
- Close the case and pass the thread through the slit under the spring.

4.3 Adjusting the bobbin thread tension

- Switch off the machine.
- Swing out the bow B/10, remove the cover ring D/10 and take out the hook.
- Loosen the screw c/8 and adjust the thread tension by the screw d/8
- Retighten the screw c/8 and replace the hook.

4.4 Inserting the needle

- Switch off the machine.
- Move the needle bar into its upper position.
- Introduce the needle into the needle holder up to the stop and so that its groove faces the hook point.

4.5 Threading the needle

- Switch off the machine.
- Pass the thread according to fig. 11.

4.6 Lifting the presser foot

Class 366-76-12:

- Operate the right pedal or
- operate the lifting lever.

Class 366-76-12-RDAP:

- Lower the pedal half backwards or
- operate the switch 8 on the control panel.
- Arresting in lifted position: press the button f/7 on the cylinder.

Note:

When operating the machine without fabric the presser foot must be lifted.

4.7 Adjusting the foot pressure

- Class 366-76-12:
Loosen the counter nut f/4 and adjust the foot pressure by the screw F/4.
- Class 366-76-12-RDAP:
The pressure and the lifting of the cloth presser foot are controlled by the same cylinder, having a constant service pressure of 6 bar. By means of the pressure reducing valve B/1 the pressing intensity can be adapted to the fabric requirements. The foot pressure should not exceed 3 bar. The pressure exerted on the cloth presser foot is indicated by the manometer C/1.

4.8 Adjusting the stitch length

Turn the rotary handle on the stitch regulator lever:

- Turn to the right = for shorter stitches
- Turn to the left = for longer stitches

4.9 Sewing backwards and backtacking the seam

Class 366-76-12:

- For sewing backwards, move the stitch regulator lever upwards beyond the zero point.

Class 366-76-12-RDAP:

- Operate the M/7 key on the arm head.
If applies, operate the knee lever (additional equipment)
- Programming the automatic backtacking on the control pan.
(See chapters 3.3 and 5.)
- Releasing the final backtack in "MANUAL" mode by lowering the pedal backwards.

4.10 Adjusting the throw width

Loosen the nut g/12 and adjust the desired throw width according to the scale 0-12.

4.11 Changing the zigzag stitch type

Explanation:

The sewing machine has a zigzag transmission with a ratio of 1:12. Thus, by changing the control cams it is possible to produce all zigzag types covered by the transmission ratio.

Normally, the machine is supplied with two control cams for two-stitch and six-stitch zigzag seams. A further control cam for four-stitch zigzag seams can be supplied at request.

Changing the control cams:

- Switch off the machine.
- Turn over the plastic cover.
- Remove the nut b/14 and remove the control cam.
- Slip-on the new control cam. Introduce the roller into the cam race.
If applies, loosen the nut g/12 and move the lever in the respective position. Fasten the control cam by the nut b/14 in the axial direction.
- By means of the threaded pins a/14 eliminate any play between the control cam and the tappet.

4.12 Switching off the needle cooling (Only RDAP)

Control panel: Operate the switch 3.

5. Adjustments on the Quick control panel

Explanation:

- The motor producer has included into the motor control a number of basic adjustments required by the sewing machine manufacturer, so that after "zeroing the position transmitter" (see the Instruction for mechanics of the Quick operating instructions) it is ready for use.
- The different numbers of stitches for backtacks, depending on the operation to be carried out, must be determined by the operator. The respective adjustment numbers can be obtained as follows:

5.1 Changing the adjustment values

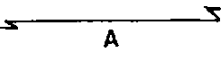
Entries	Remarks / Display text = DT
1. <u>Calling sewing mode:</u> - Switch on the motor - Select the desired sewing mode by the key - .	DT: MANUAL or SEAM-A or SEAM-B
2. <u>Calling adjustment mode:</u> - Operate G key and hold, Tip - key and release both.	DT: ----->F
3. <u>Calling adjustment number:</u> - Tip F key until the desired adjustment number appears.	e.g. DT: 101*0002
4. <u>Adjusting the value:</u> - Increasing the displayed value by + key - Reducing the displayed value by - key	The newly adjusted value will remain memorized when leaving the adjustment number or the adjustment mode. If the machine is switched off immediately after the adjustment, the old value will be maintained. It is possible to call further adjustment numbers and to adjust new values.
5. <u>Leaving the adjustment mode:</u> - Operate G key and hold tip - key and release both.	DT: MANUAL or SEAM-A or SEAM-B

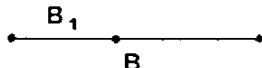
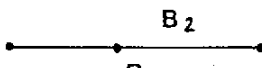
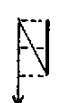
Entries	Remarks / Display text = DT
6. Control: - check adjustment values(s). 7. Correct, if required: - Call adjustment mode. - Tip F key. - Change the value.	- DT: ----->F The last called adjustment number will appear.

Note:

The values of the other adjustment numbers must be modified by a technician. (See the instructions for mechanics of the Quick instructions for operators!)

5.2 List of adjustment numbers

No.	Designation	Sector	Value	Symbol / Remarks
101	Sewing programme offer	M A B M + A M + B A + B	M A B	By this adjustment number it is possible to determine which modes (MANUAL, SEAM-A SEAM-B) can be called by the key P
102	No. of stitches of initial bartack forwards	0 - 255	3	 See also switch 4
103	No. of stitches of initial bartack backwards	0 - 255	4	
108	No. of stitches of final bartack backwards	0 - 255	2	
109	No. of stitches of final bartack forwards	0 - 255	0	
111	at present no function			
201	No. of stitches of SEAM-A distance	0 - 255	20	

No.	Designation	Sector	Value	Symbol / Remarks
301	No. of stitches of B_1 seam section	0 - 255	10	
302	No. of stitches of B_2 seam section	0 - 255	10	
303	No. of seam sections ($B_1 + B_2$)	0 - 255	2	$\frac{(B_1+B_2)}{1} + \frac{B}{2} + \dots$
505	No. of stitches of initial decorative bartack - forwards	0 - 30	3	 See also the switches 4 and 7
506	No. of stitches of initial decorative bartack - backwards	0 - 30	3	 See also switch 7
507	No. of stitches of final decorative bartack - forwards	0 - 30	3	
508	No. of stitches of final decorative bartack - backwards	0 - 30	3	
521	At present no function			

6. Maintenance

6.1 Sewing machine

Daily maintenance

- Clean the hook, the feed dog and the needle thread tension.
- Oil the lubrication points (see fig. 13, 15, 16).

Weekly maintenance

- Check the oil atomizer for the hook lubrication and replenish if required.

Maintenance every three months

- Control the toothed belt.
- Control the V-belt tension.

Lubrication oil

Use only brand oils, e. g. ESSO MILLCOT K 68 with the following features:

Viscosity bei 40° C : 65 mm²/s
Point of inflammation: 212° C

ESSO MILLCOT K 68 can be obtained from Dürkopp and Adler:

1 l : ref. no. 990 47 012 8
5 l : ref. no. 990 47 012 9

6.2 Pneumatic conditioning unit

Monthly maintenance

- Check oil level in the oil atomizer.
- Check oil supply quantity of the oil atomizer.

Maintenance every three months

- Clean the filtering element in the filter.
- Check the "tightness" of the pneumatic system.

Pneumatic oil

Use only brand oil, e.g. ESSO NUTO H 68 with the following features:

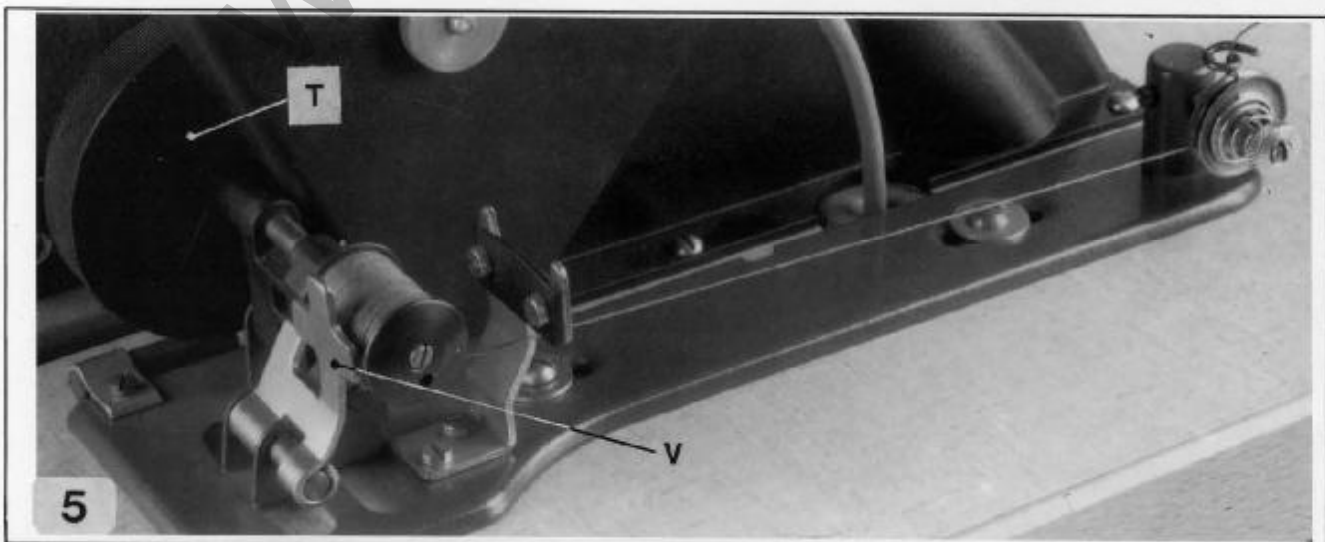
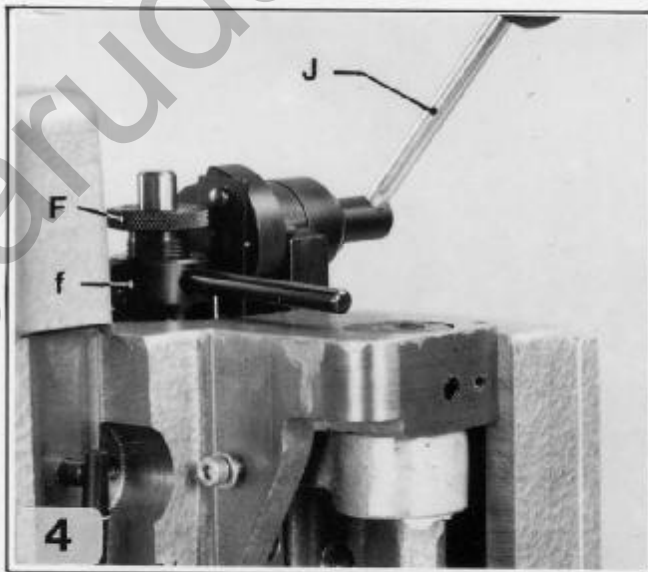
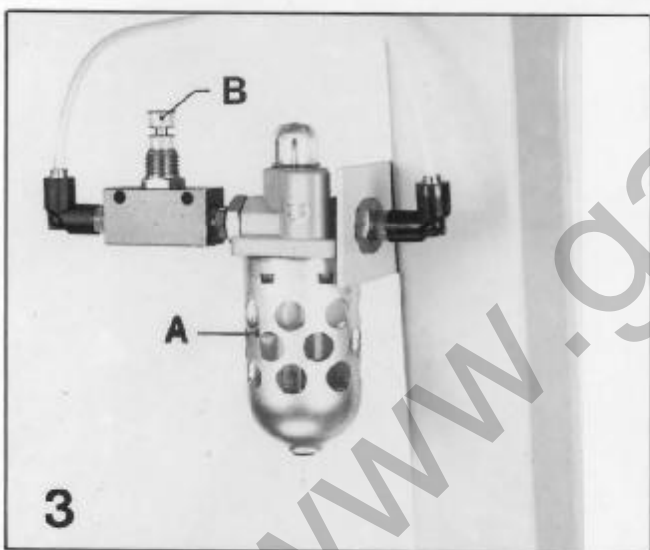
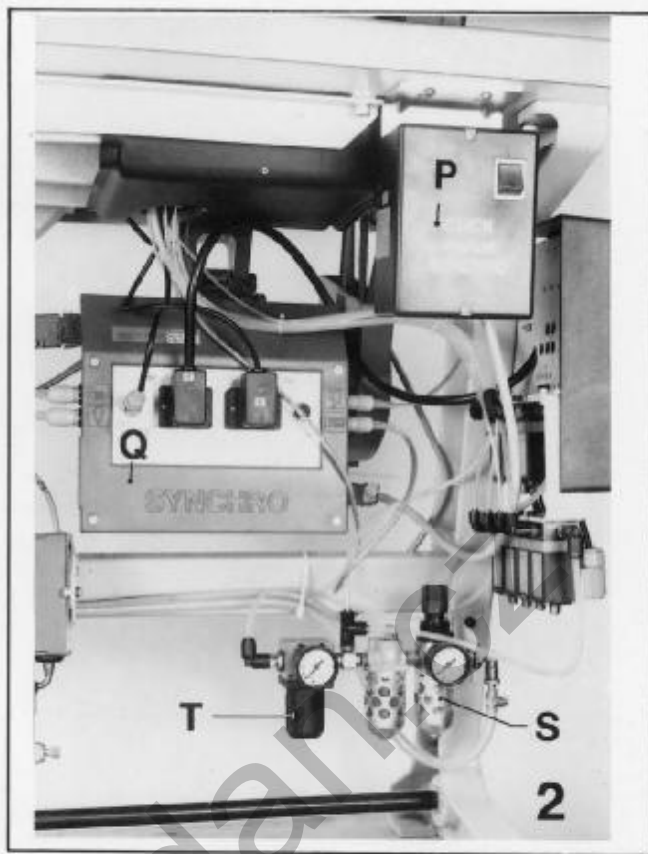
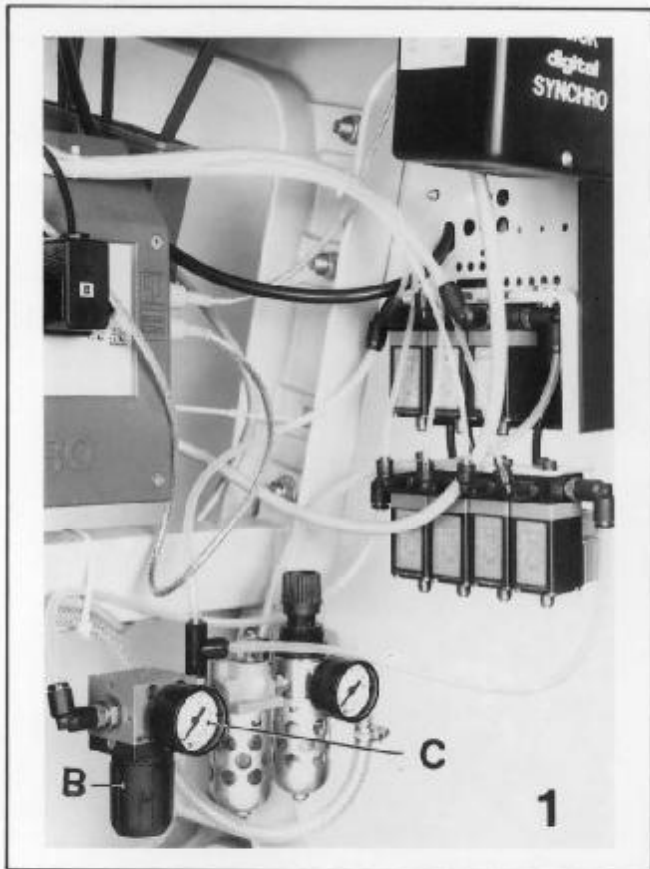
Viscosity bei 40° C : 66 mm²/s
Point of inflammation: 236° C

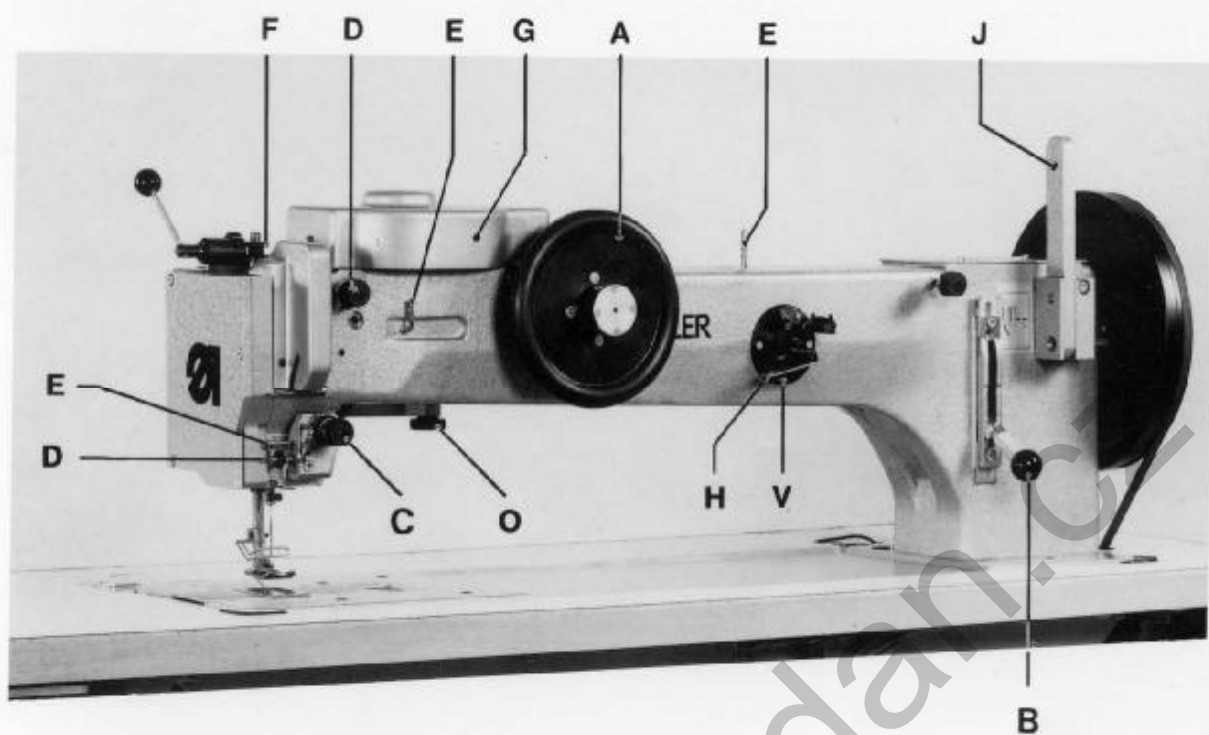
ESSO NUTO H 68 can be obtained from Dürkopp and Adler:

250 cm³: ref. no. 990 81 006 7
1 l : ref. no. 990 47 010 5

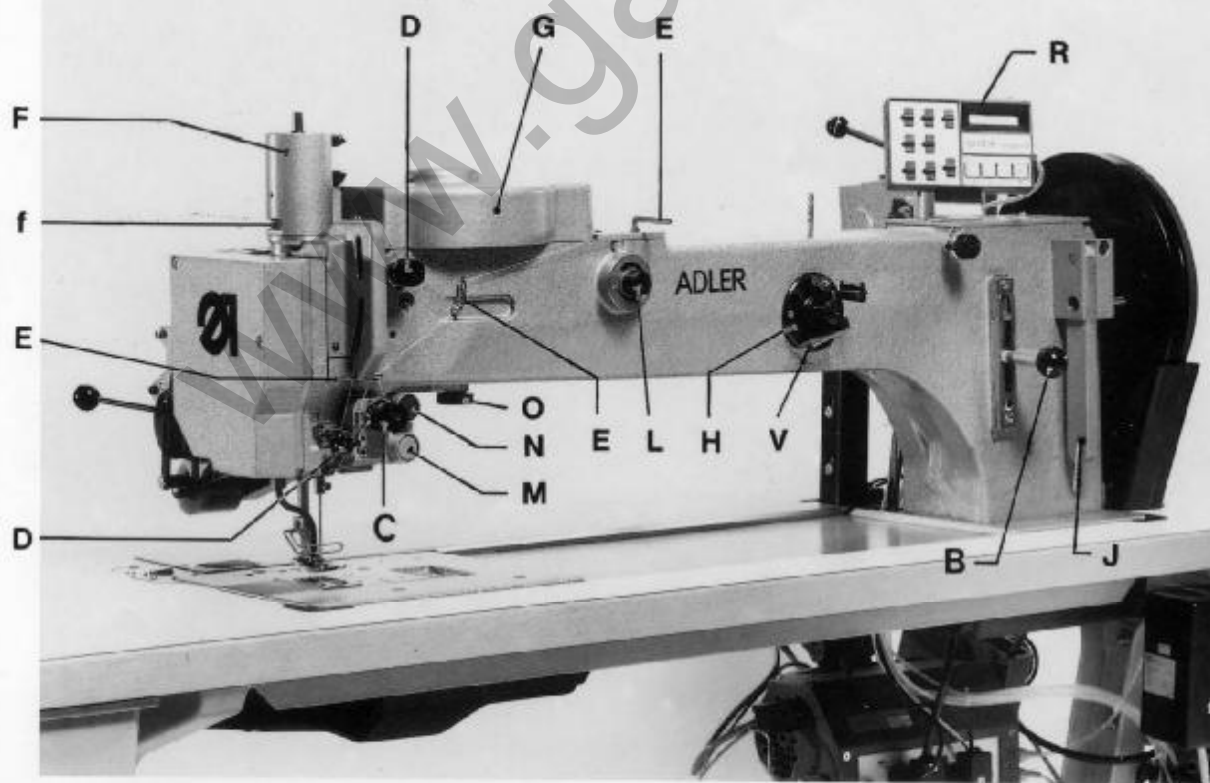
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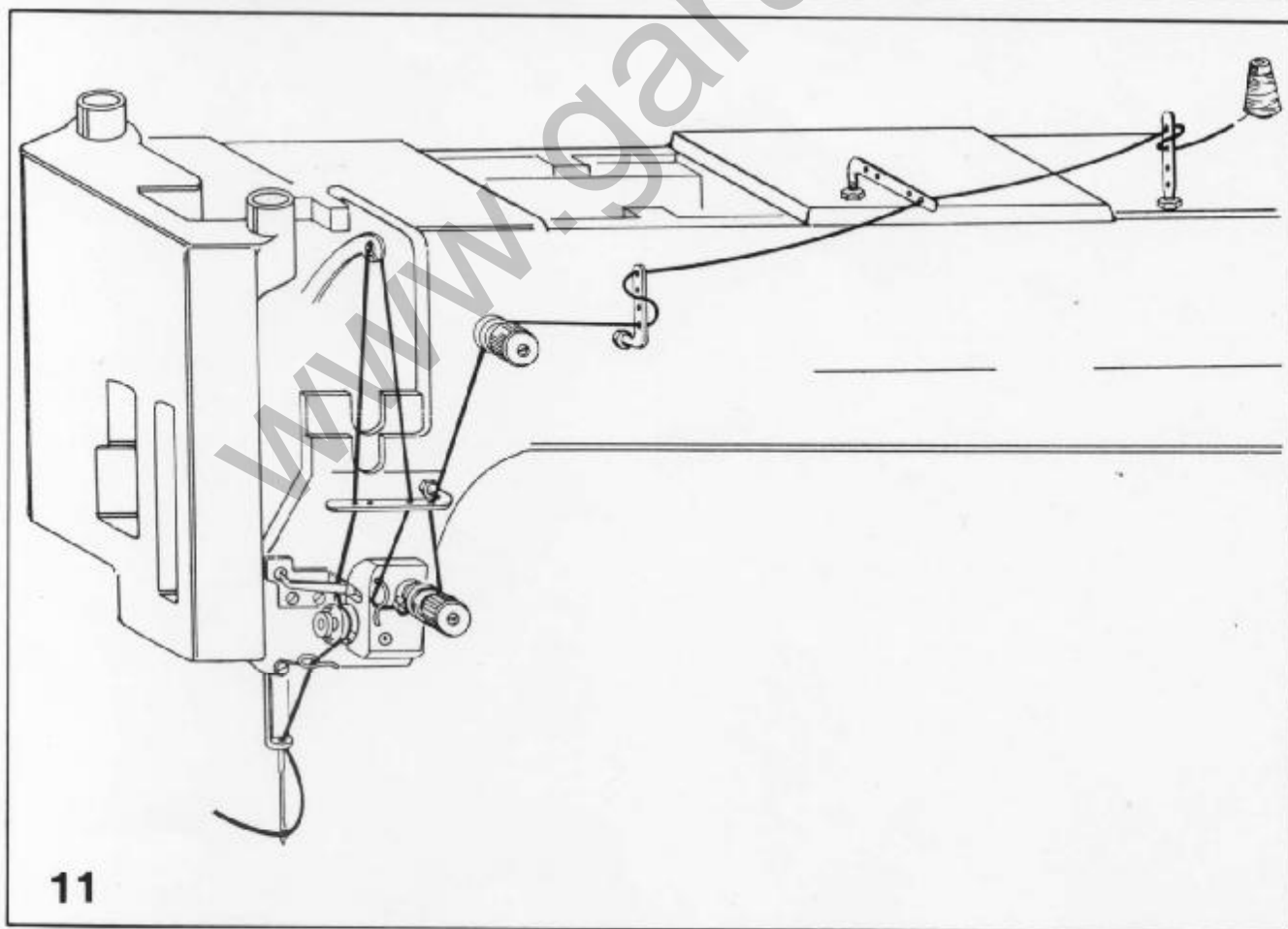
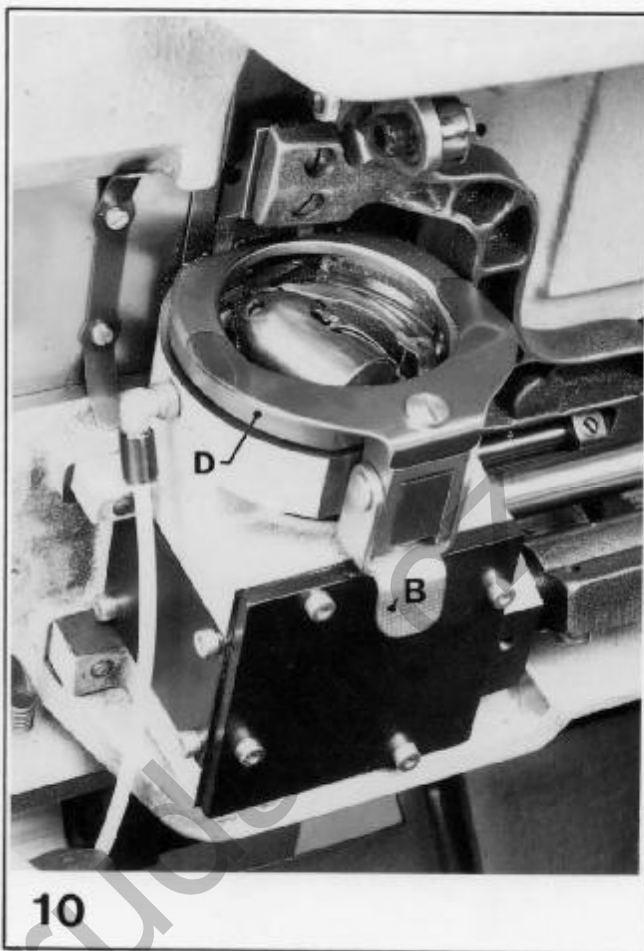
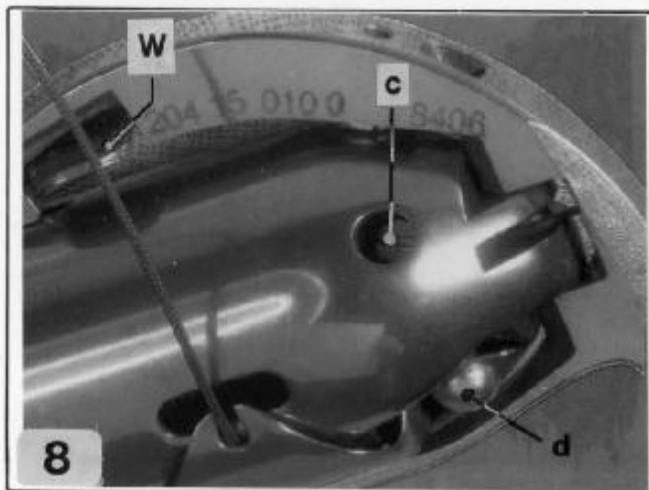


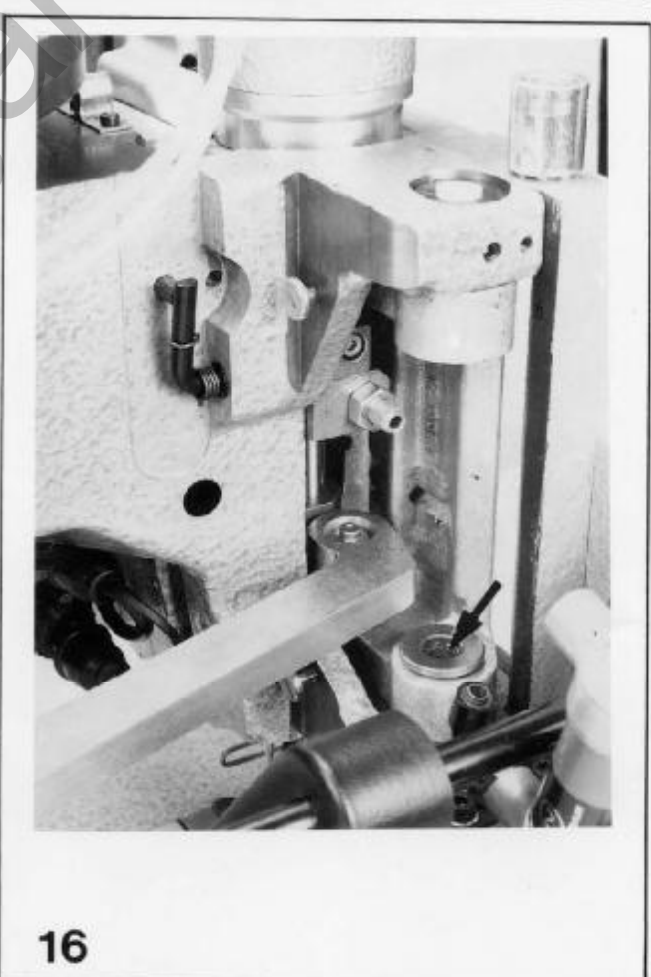
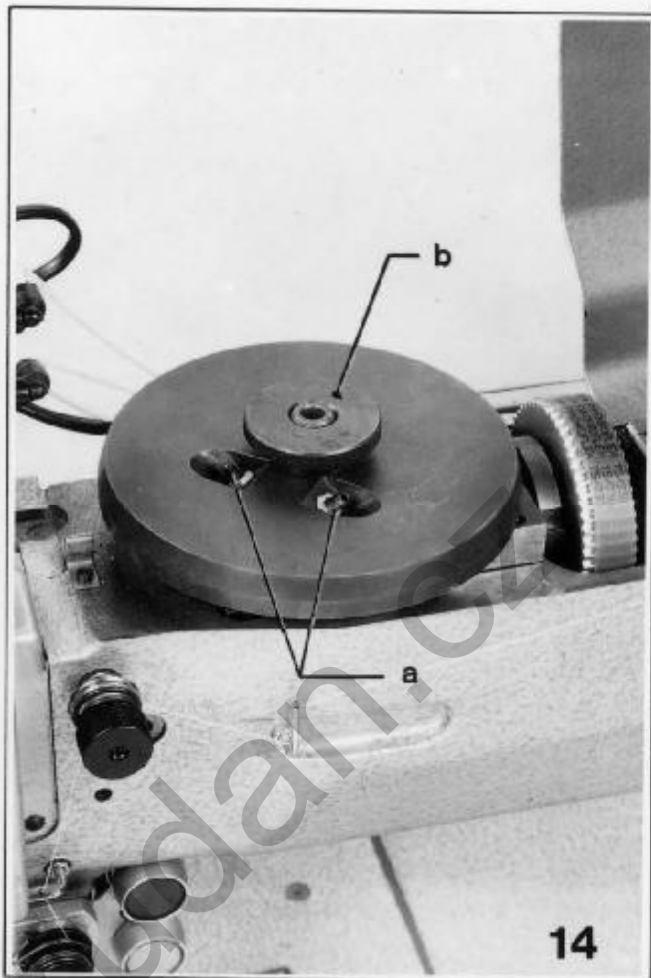
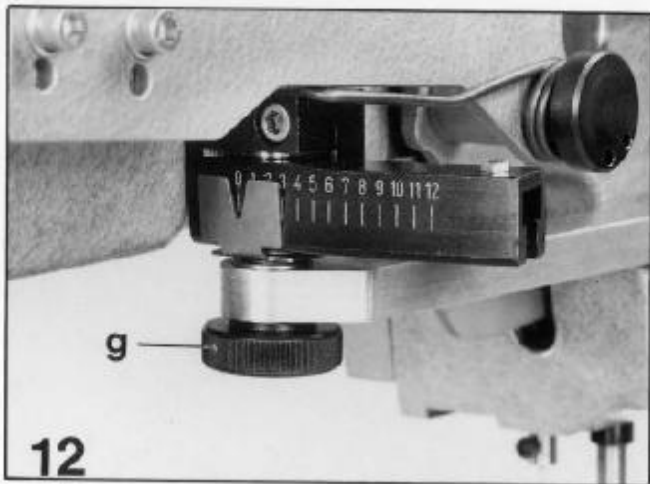


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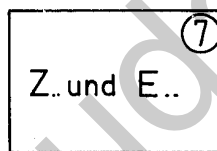
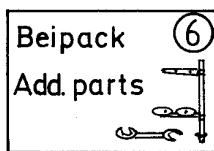
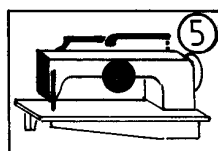
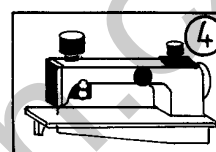
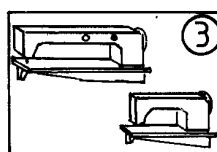
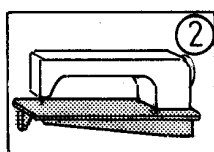
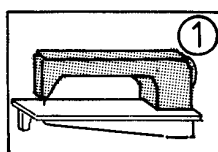


7





Klasse Class	besteht aus : consisting of:	Z..und E..
366-12	A1 + B2 + D1 + F1	H3, H4, H5
366-12-RDAP	A1 + B2 + C1 + F2	H1, H2, H3, H4, H5
366-76-12	A1 + B1 + D1 + E1 + F3	H3, H4, H5
366-76-12-RDAP	A1 + B1 + C1 + F4	H1, H2, H3, H4, H5



INFORMATION ZUR HANDHABUNG DER TEILELISTE

1. Allgemeines

1.1 Im Inhaltsverzeichnis sind die Teile-Nr. nach steigenden Nr. geordnet.

1.2 Teile-Nr. 993 91 081 7 Zyl.-Schr. M4 x 10 2 - B 10
Benennung
Abmessung
Bildtafel Nr. (rechts und links oben in der Bildtafel eingekreiste Nr.)
Planquadrat der jeweiligen Bildtafel

1.5 Zu einer Einheit gehörende Einzelteile sind durch eine strichpunktierte Linie eingerahmt. Die Einheit kann auch komplett unter der voll eingerahmten Teile-Nr. bestellt werden. Zu dieser Einheit gehören keine Teile, deren Nr. außerhalb der strichpunktierten Linie steht.

2.1 Verwendete Bildzeichen

N = nicht als Einzelteil lieferbar

Mg = mustergebunden, bei Ersatzteilebestellung
bitte Muster einschicken oder Form-Nr. angeben

☞ = siehe Mechanikeranleitung

☞ = flüssig sichern, kleben, dichten
Loctite 270, Nr.990 49 034 6



= Länge oder Fläche



= ohne Fadenabschneider



= mit Fadenabschneider



= links



= rechts



= Hinweis auf Unterscheidungsmerkmal

mm = Maße

V = veraltete Ausführung

d.W. = auf Wunsch

2.3 Sollten Sie ein Teil nicht in der Ersatzteilliste auffinden, was durch technische Änderungen vorkommen kann, dann geben Sie uns bitte zur Teile- und Funktionsbeschreibung, evtl. Teil skizzieren, die genaue Unterklasse und Fabrik-Nr. lt. Typenschild bekannt.

3. Elektro-Teile

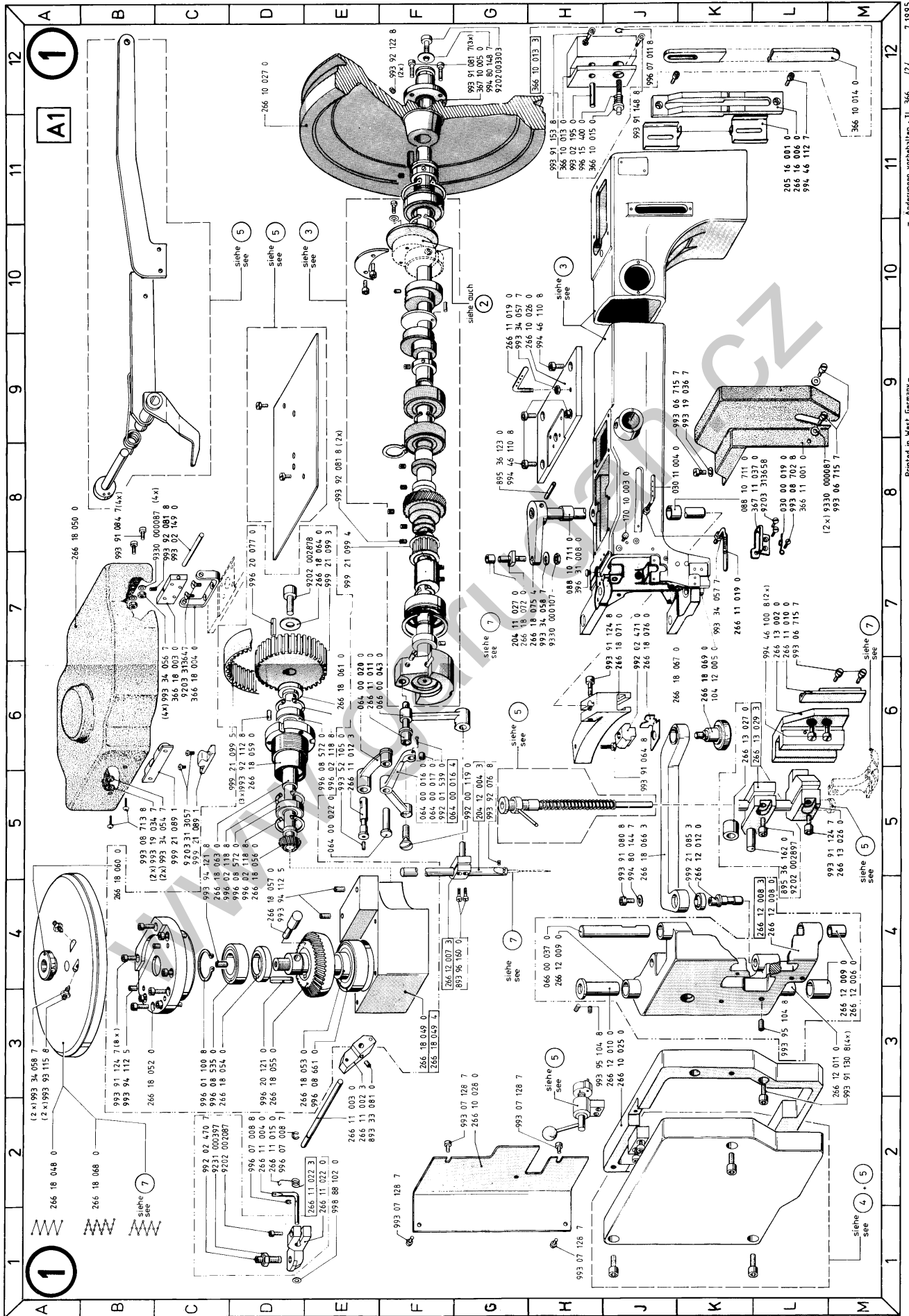
3.1 Bei Elektrokabeln und pneumatischen Schläuchen ist es erforderlich, die gewünschte Meterzahl anzugeben.

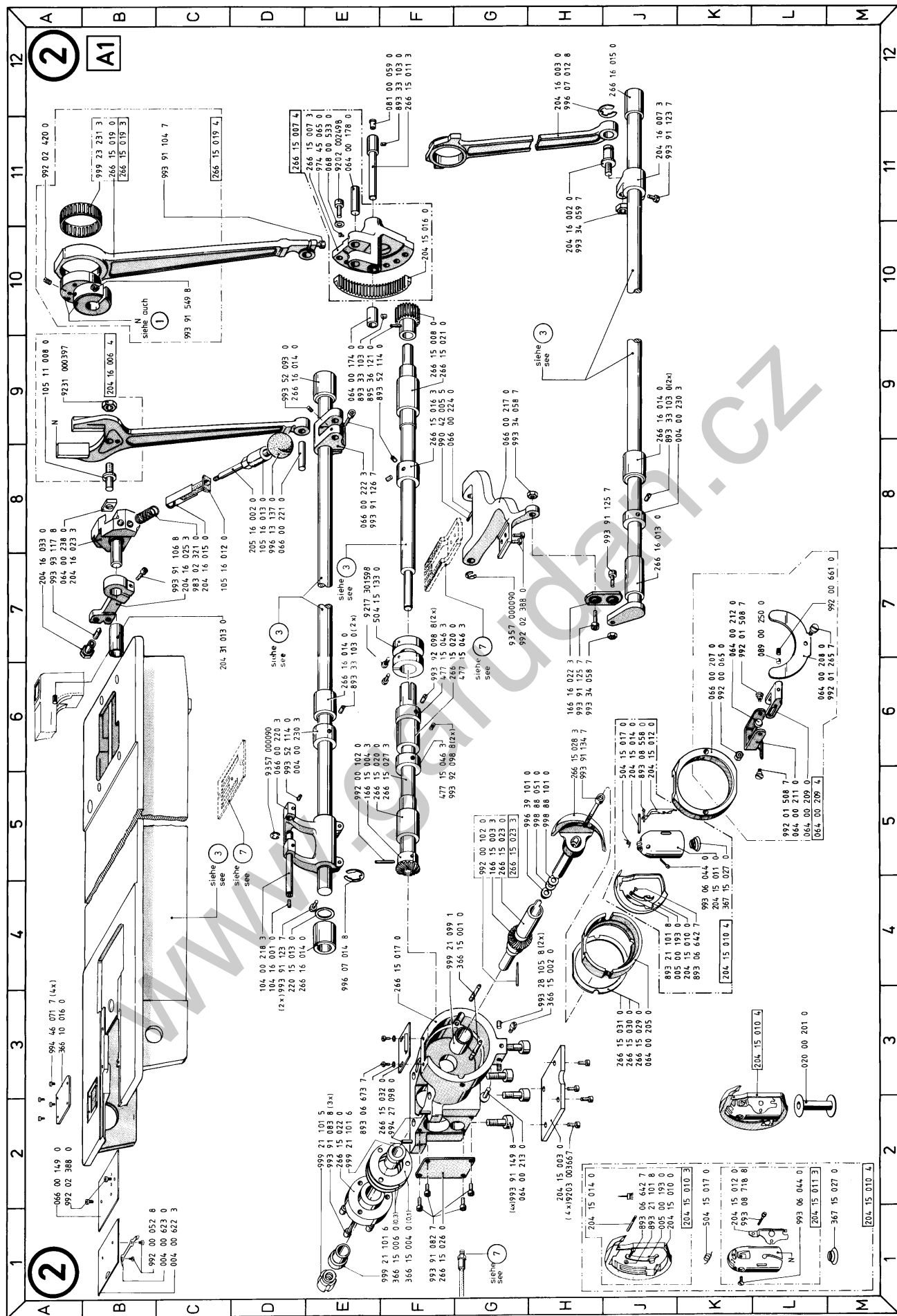
3.2 Bei Bestellungen von Elektroteilen bitten wir die zusätzlichen Angaben, die in Klammern hinter der Teile-Nr. stehen, mit anzugeben.

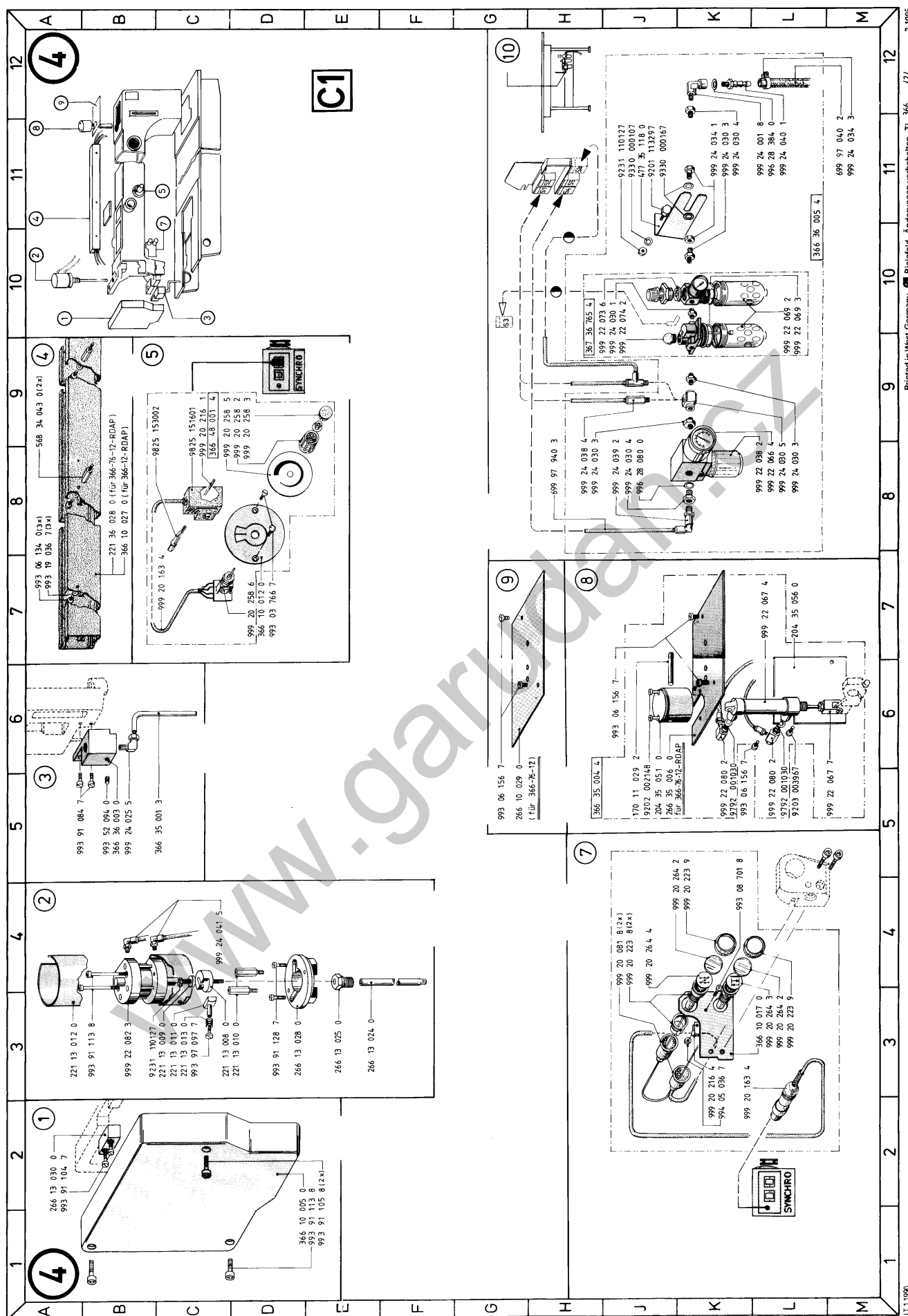
3.3 Elektroteile sind zum schnellen Auffinden im Lageplan mit einer Positions-Nr. gekennzeichnet. Die Teile sind wie in Punkt 1.5 beschrieben aufgeführt.

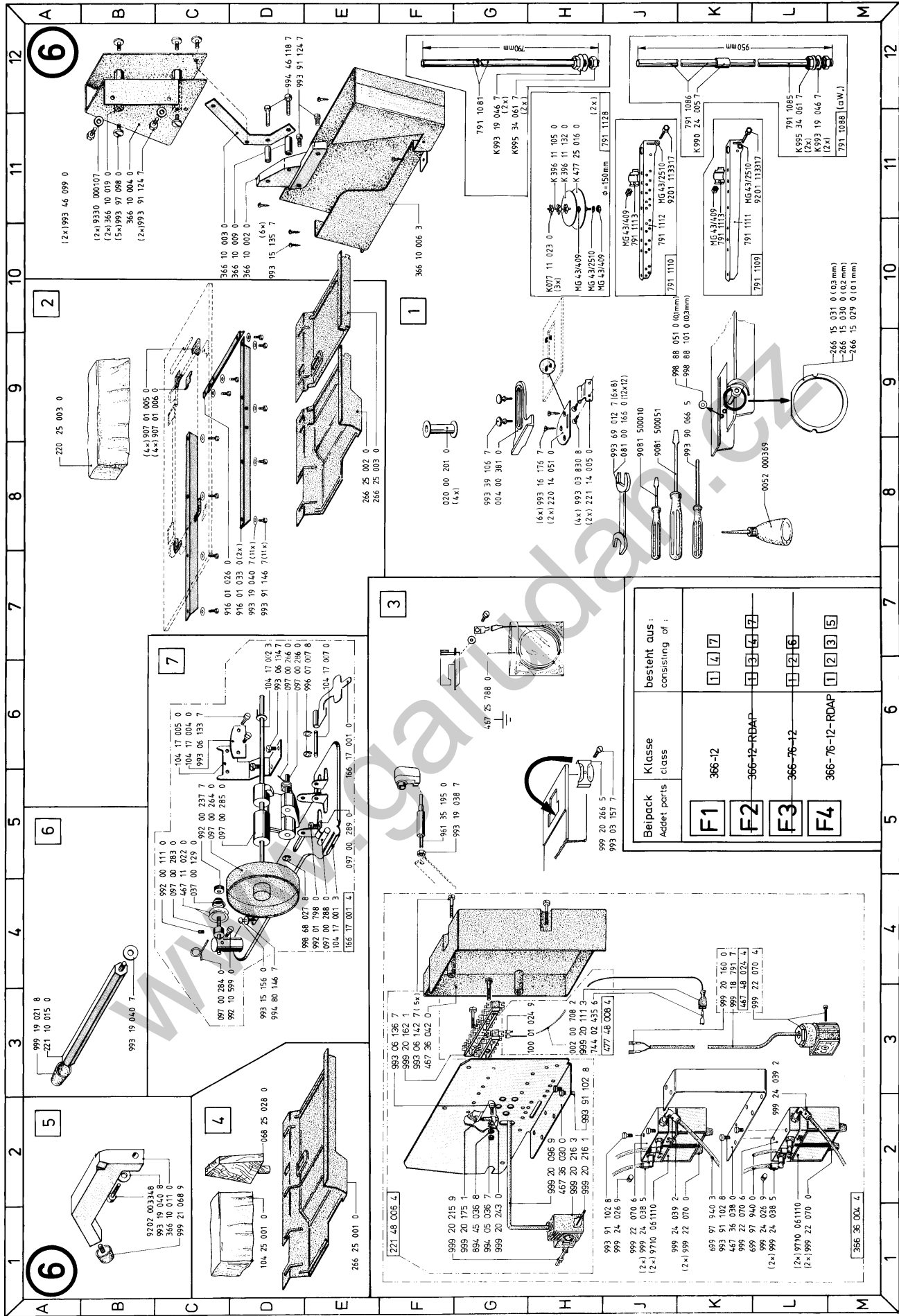
3.4 Nicht nummerierte Elektroteile können nach der Bezeichnung z.B. "Transistor T6" oder "Widerstand 1K 0,5W" und der dazugehörigen Stromlaufplan-Nr. bestellt werden.

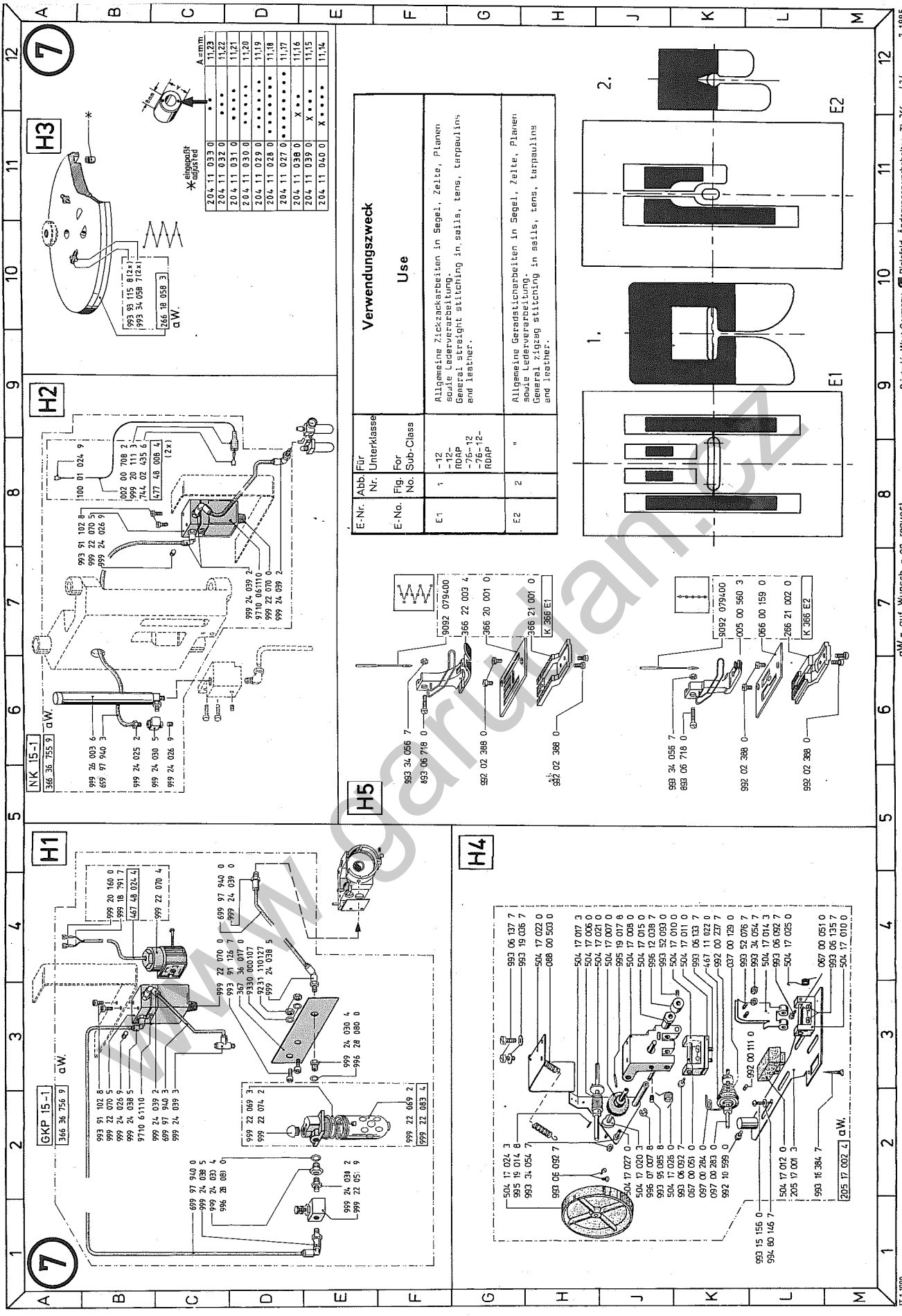
5. Jeder Nachdruck, auch der auszugsweise, ist nur mit unserer Genehmigung gestattet. Änderungen behalten wir uns vor.











Teile-Nr.	Benennung	Bildtafel	Teile-Nr.	Benennung	Bildtafel	Teile-Nr.	Benennung	Bildtafel	
KL. 366									
K002 00 708 2 ADERLEITUNG LIQ-0.34 GRAU	6H3 788		K064 00 209 4 SCHARNIER KPL HINGE CPL	2L5		K097 00 266 0 DREHFEDER	606	K204 13 009 0 BOLZEN	5A4
K004 00 143 0 HUELSE BUSH	583		K064-00-210-0-FUEHRUNGSBOLZEN GUIDE BOLT	2H3		K097 00 284 0 FADENOSE IMKEAD LOOP	3H4 6C3 7K2	K204 13 022 0 DREHFEDER	584
K004 00 230 3 STELLRING	206 2K9		K064 00 211 0 RIEGEL STOP	2L5		K097 00 285 0 SPULERMANN	6C5	K204 13 027 3 LUEFTERHEBEL	5C2
K004 00 381 0 LINEAL ADJ RING	688		K064 00 212 0 DRUCKSTUECK PRESSURE PIECE	2K7		K097 00 288 0 BREMSSTUECK	6E4	K204 15 003 0 PLATTE	2H2
K004 00 622 3 SCHIEBER	2C1		K064 00 213 0 DRUCKSTUECK PRESSURE PIECE	2G2		K097 00 289 0 KLEINHE	6E5	PLATE	
K004 00 623 0 FEDER SLIDE	2C1		K064 00 213 0 DRUCKSTUECK PRESSURE PIECE	2G2		K100 01 024 9 FLACHST.HUELSE 2.8	6H3 788	K204 15 010 0 SCHIFFCHENRAHME	2J1 2K4
K005 00 623 0 FEDER SPRING	2C1		K064 00 238 0 KULISSENSTEIN CRANK SLIDER	2A7		K104 00 218 3 BOLZEN	204	K204 15 010 3 RAHMEN	2K1
K005 00 193 0 FEDER SPRING	2J1 2K4		K064 00 246 0 SCHEIBE DISC	3C9 3F10		K104 12 005 0 BUCHSE	1K6	FRAME	
K005 00 206 0 KETTENHAKEN	508 5E8		K066 00 037 0 NADELST BUCHSE BUSHING	1H4		K104 13 001 4 KETTE	508	HOOK	
K005 00 222 0 FEDER SPRING	3C4		K066 00 043 0 GELENK JOINT	1E6		K104 16 001 0 STOPFEN	204	K204 15 011 0 SPULENGHAEUSE	2K4
K005 00 236 0 SCHEIBE DISC	3C4		K066 00 149 0 SCHIEBER SLIDE	2A2		K104 17 001 3 SPULERPLATTE PLUG	6E4	BOBBIN CASE	
K006-00-237-0-STIFT PIN	204		K066 00 159 0 STICHPLATTE GUIDE PLATE	7L7		K104 17 001 4 SPULERPLATTE	6E4	K204 15 011 3 SPULENGHAEUSE	2L2
K005 00 560 3 DRUCKERFUSS	7K7		K066 00 207 0 DECKRING COVER RING	2K6		K104 17 002 3 SPULERWELLE	606	K204 15 012 0 SPANNUNGSFEDER	2J6 2K1
K020 00 201 0 SPULE BOBBIN	2L3 6F8		K066 00 217 0 TRANSP STANGE FEED BAR	2C9		K104 17 003 0 SCHEIBE DISC	3K3 606	TENSION SPRING	
K030 00 019 0 FADENOSE THREAD LOOP	1L8		K066 00 220 3 KURBEL CRANK	206		K104 17 004 0 LEITBLECH GUIDE PLATE	6C6	BOLT	
K030 11 004 0 FADENFUEHRUNG THREAD GUIDE	1K0		K066 00 221 0 BOLZEN BOLT	208		K104 17 005 0 GLEITBLECHH.	6C6	K204 15 016 0 ZAHNSEGMENT	2F10
K037 00 129 0 SPANNUNGSFEDER TENSION SPRING	3J4 6C4 6C5		K066 00 222 3 KURBEL CRANK	2E8		K104 25 001 0 HAUBE G5	601	SEGMENT	
K064 00 016 0 FADENHEBEL THREAD LEVER	7K4		K066 00 224 0 DELROHR OIL PIPE	2F9		K105 11 002 0 BOLZEN	3E2	K204 15 021 0 SCHEIBE	3D10 3G11
K064 00 016 4 FADENHEBEL THREAD LEVER	1F5		K067 00 051 0 BOLZEN BOLT	7K2 7L4		K105 16 012 0 DRUCKSTUECK PRESSURE PIECE	2C7	K204 15 022 0 SCHEIBE	389 3E10
K064 00 017 0 FADENOSE THREAD LOOP	1F5		K067 10 022 0 EINSAATZ INSERT	5D6		K105 16 013 0 GRIFF GRIP	208	K204 16 002 0 BOLZEN	2H10
K064 00 020 0 GELENK JOINT	1E6		K067 32 015 0 DRUCKFEDER PRESSURE SPRING	3K2		K105 31 014 3 STELLRING ADJ RING	3A7	K204 16 003 0 ZUGSTANGE	2H12
K064 00 022 0 NIET RIVET	1E5		K068 00 174 3 STELLRING ADJ RING	5E2		K120 17 010 0 HEBEL LEVER	3M3	K204 16 004 3-EXZENTER	3A9 3D10
K064 00 027 0 STEGSCHIEBE DISC	3C4		K068 00 533 0 SCHEIBE DISC	2E11		K166 15 003 3 KEGELRAD REVEL GEAR	2G5	K204 16 006 4 GABEL	289
K064 00 028 0 FADENANZUGFEDER TENSION SPRING	383		K068 25 028 0 OBERTEILSTUETZ 1 DISC	6D2		K166 15 004 3 KEGELRAD REVEL GEAR	2E5	K204 16 007 3 KURBEL	2J11
K064 00 029 0 BUEGEL BOW	383		K077 11 023 0 ZENTRIERSTUECK CENTERING PIECE	6H10		K166 16 022 3 GELENK JOINT	2H6	K204 16 008 3 WELLE	3L11
K064 00 030 0 REGELSCHIEBE REGULATING DTSC	383		K077-15-022-3-STELLRING ADJ-RING	2E2		K166 17 001 0 AUSRUECKHEBEL	6E6	K204 16 009 0 WELLE	3L11
K064 00 174 0 BUCHSE BUSHING	2E9		K081 00 059 0 KUGELOELER BALL OILER	2F12		K170 10 003 0 STOPFEN PLUG	1J8	K204 16 015 0 BLATTFEDER	2C7
K064 00 178 0 BOLZEN BOLT	2E11		K081 00 166 0 MAULSCHLIESSEL WRENCH	6J8		K170 11 029 2 TRAGSTIFT K171 15 027 0 GELENKLAGER	4J5	LEAF SPRING	
K064 00 205 0 SCHIFFCHENBAHN SHUTTLE RACE	2J3		K088 00 503 0 ZUGFEDER TENSION SPRING	7H4		K188 15 675 0 STIFT PIN	3E1	K204 16 023 3 STICHSCHUTZ-KULISSE	2A7
K064 00 208 0 FEDER SPRING	2L6		K088 10 711 0 SINTERBUCHSE SINTERING BUSH	1H7 1K8		K204 10 043 0 DECKEL COVER	5E4	K204 16 025 3 HEBEL	2C7
K064 00 209 0 SCHARNIER HINGE	2L5		K089 00 250 0 DRUCKSTUECK PRESSURE PIECE	2L7		K204 12 004 3 NADELSTANGE NEEDLE BAR	1G5	K204 16 033 0 MUTTER	2A7
			K097 00 264 0 SPULERAD	6C5				K204 31 013 0 BUCHSE	2C7
								BUSHING	
								K204 35 051 0 LAGERBOCK	4J5
								PILLOW BLOCK	
								K204 35 056 0 DECKEL	4L7
								COVER	
								K205 16 001 0 ANSCHLAG	1L11
								GUIDE	
								K205 16 002 0 BOLZEN	2D8
								K205 17 001 3 PLATTE	7L2
								K205 17 002 4 SPULER K	7M2

Änderungen vorbehalten

Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel
K220 00 400 3 KUPPLUNGSMELLE COUPLING SHAFT VO.	532		K266 10 024 0 KOPFDECKEL	5E1		K266 13 018 0 HEBEL	5L7	2J12
K220 00 401 0 HANDRAD HANDWHEEL	5M4		K266 10 025 0 PLATTE	1J3		K266 13 019 3 LAGERBOCK V	5A3	3L2
K220 00 401 4 HANDRAD HANDWHEEL	5J3		K266 10 026 0 DECKEL	1G9 3F6		K266 13 021 0 ZUGSTANGE	5E2	3H1
K220 00 402 0 FLANSCH	5J3 5K3		K266 10 027 0 HANDRAD	1D12 3B7		K266 13 022 3 HEBEL V	5B4	3L3
K220 00 403 0 KUPPL. SCHEIBE	5M3		K266 10 028 0 SCHUTZKAPPE	1G2		K266 13 024 0 STOFFDR.-STANGE	4E3	3M3
K220 00 404 0 KUPPL. SCHEIBE	5M3		K266 10 029 0 DECKEL	4H5		K266 13 025 0 STOFFDR.-HUELSE	1M5	3K3
K220 00 405 0 BUCHSE	5J3		K266 10 030 0 ARM	3J7		K266 13 026 0 KLOBEN	1K6	
K220 00 406 0 DRUCKFEDER	5K2		K266 10 031 4 FADENSPIANNUNG	3D2		K266 13 027 0 ROLLE	4D3	
K220 00 407 0 DRUCKSTIFT	5K2		K266 11 002 3 DRUCKSTUECK	1E2		K266 13 028 0 ADAPTER	1L6	
K220 00 408 0 DRUCKSTIFT	5K2		K266 11 003 0 WELLE	1E2		K266 13 029 3 LUEFTENKLOBEN	4A2	
K220 00 409 0 KUPPLUNG	5J3		K266 11 004 0 HEBEL	1D2		K266 15 007 3 WELLE	2E11	
K220 00 410 0 KUPPLUNG	5J3		K266 11 005 0 TRAEGER	3B3		K266 15 007 4 WELLE	2D11	
K220 00 411 3 ZAHNRAD	5J2		K266 11 006 4 SPANNING PLATTE	3B3		K266 15 008 0 STIRNRAD	2F9	
K220 00 412 3 ZAHNRAD	5J2		K266 11 007 0 TENSION BOLT	3C3		K266 15 009 3 WELLE	3K11	
K220 00 413 0 SCHARNIERBLECH	6H8		K266 11 008 0 BUEGEL	3B1		K266 15 011 3 WELLE	2F12	
K220 00 414 0 SCHARNIERBLECH	6H8		K266 11 009 0 BUCHSE	3B3		K266 15 015 3 WELLE	3K7	
K220 00 415 0 SCHARNIERBLECH	6H8		K266 11 010 0 FUEHRUNGSTUECK	1L7		K266 15 016 3 STELLRING	2F9	
K220 00 416 0 SCHARNIERBLECH	6H8		K266 11 011 0 BOLZEN	1E6		K266 15 017 0 SCHIFF. BAHNLAG.	2F4	
K220 00 417 0 SCHARNIERBLECH	6H8		K266 11 012 3 BOLZEN	1E5		K266 15 019 4 ZUGSTANGE V	2B11	
K220 00 418 0 SCHARNIERBLECH	6H8		K266 11 013 0 BOLZEN	1E5		K266 15 020 0 BUCHSE	2C11	
K220 00 419 0 SCHARNIERBLECH	6H8		K266 11 014 0 BOLZEN	1E5		K266 15 021 0 BUCHSE	2E5 2F6	
K220 00 420 0 SCHARNIERBLECH	6H8		K266 11 015 0 DREHFEDER	1D2		K266 15 022 0 BUCHSE	2F9	
K220 00 421 0 SCHARNIERBLECH	6H8		K266 11 016 0 DREHFEDER	1D2		K266 15 023 0 FLANSCHLAGER	2E2	
K220 00 422 0 SCHARNIERBLECH	6H8		K266 11 017 0 DREHFEDER	1D2		K266 15 024 0 TREIBERWELLE	2G5	
K220 00 423 0 SCHARNIERBLECH	6H8		K266 11 018 0 DREHFEDER	1D2		K266 15 025 0 TREIBERWELLE	2G5	
K220 00 424 0 SCHARNIERBLECH	6H8		K266 11 019 0 DREHFEDER	1D2		K266 15 026 0 DECKEL	2F7	
K220 00 425 0 SCHARNIERBLECH	6H8		K266 11 020 0 DREHFEDER	1D2		K266 15 027 3 WELLE V	2F5	
K220 00 426 0 SCHARNIERBLECH	6H8		K266 11 021 0 DREHFEDER	1D2		K266 15 028 3 TREIBER	2H6	
K220 00 427 0 SCHARNIERBLECH	6H8		K266 11 022 0 DREHFEDER	1D2		K266 15 029 0 PASZSCHEIBE	2J3 6M9	
K220 00 428 0 SCHARNIERBLECH	6H8		K266 11 023 0 DREHFEDER	1D2		K266 15 030 0 PASZSCHEIBE	2J3 6M9	
K220 00 429 0 SCHARNIERBLECH	6H8		K266 11 024 0 DREHFEDER	1D2		K266 15 031 0 PASZSCHEIBE	2J3 6M9	
K220 00 430 0 SCHARNIERBLECH	6H8		K266 11 025 0 DREHFEDER	1D2		K266 15 032 0 DECKBLECH	2F2	
K220 00 431 0 SCHARNIERBLECH	6H8		K266 11 026 0 DREHFEDER	1D2		K266 16 006 0 ANSCHLAG	1L11	
K220 00 432 0 SCHARNIERBLECH	6H8		K266 11 027 0 DREHFEDER	1D2		K266 16 007 0 VORSCHUBELLE	3L7	
K220 00 433 0 SCHARNIERBLECH	6H8		K266 11 028 0 DREHFEDER	1D2		K266 16 008 3 HUBWELLE	3L7	
K220 00 434 0 SCHARNIERBLECH	6H8		K266 11 029 0 DREHFEDER	1D2		K266 16 009 3 EXZENTER	3D9 3G10	
K220 00 435 0 SCHARNIERBLECH	6H8		K266 11 030 0 DREHFEDER	1D2		K266 16 010 3 EXZENTER	3D9 3G10	
K220 00 436 0 SCHARNIERBLECH	6H8		K266 11 031 0 DREHFEDER	1D2		K266 16 011 3 EXZENTER	3D9 3G10	
K220 00 437 0 SCHARNIERBLECH	6H8		K266 11 032 0 DREHFEDER	1D2		K266 16 012 3 EXZENTER	3D9 3G10	
K220 00 438 0 SCHARNIERBLECH	6H8		K266 11 033 0 DREHFEDER	1D2		K266 16 013 0 BUCHSE	2J7	
K220 00 439 0 SCHARNIERBLECH	6H8		K266 11 034 0 DREHFEDER	1D2		K266 16 014 0 BUCHSE	2D4 2D9 2E6	
K220 00 440 0 SCHARNIERBLECH	6H8		K266 11 035 0 DREHFEDER	1D2		K266 16 015 0 BUCHSE	2J9	
K220 00 441 0 SCHARNIERBLECH	6H8		K266 11 036 0 DREHFEDER	1D2		K266 16 016 0 BUCHSE	2J9	
K220 00 442 0 SCHARNIERBLECH	6H8		K266 11 037 0 DREHFEDER	1D2		K266 16 017 0 BUCHSE	2J9	
K220 00 443 0 SCHARNIERBLECH	6H8		K266 11 038 0 DREHFEDER	1D2		K266 16 018 0 BUCHSE	2J9	
K220 00 444 0 SCHARNIERBLECH	6H8		K266 11 039 0 DREHFEDER	1D2		K266 16 019 0 BUCHSE	2J9	
K220 00 445 0 SCHARNIERBLECH	6H8		K266 11 040 0 DREHFEDER	1D2		K266 16 020 0 BUCHSE	2J9	
K220 00 446 0 SCHARNIERBLECH	6H8		K266 11 041 0 DREHFEDER	1D2		K266 16 021 0 BUCHSE	2J9	
K220 00 447 0 SCHARNIERBLECH	6H8		K266 11 042 0 DREHFEDER	1D2		K266 16 022 0 BUCHSE	2J9	
K220 00 448 0 SCHARNIERBLECH	6H8		K266 11 043 0 DREHFEDER	1D2		K266 16 023 0 BUCHSE	2J9	
K220 00 449 0 SCHARNIERBLECH	6H8		K266 11 044 0 DREHFEDER	1D2		K266 16 024 0 BUCHSE	2J9	
K220 00 450 0 SCHARNIERBLECH	6H8		K266 11 045 0 DREHFEDER	1D2		K266 16 025 0 BUCHSE	2J9	
K220 00 451 0 SCHARNIERBLECH	6H8		K266 11 046 0 DREHFEDER	1D2		K266 16 026 0 BUCHSE	2J9	
K220 00 452 0 SCHARNIERBLECH	6H8		K266 11 047 0 DREHFEDER	1D2		K266 16 027 0 BUCHSE	2J9	
K220 00 453 0 SCHARNIERBLECH	6H8		K266 11 048 0 DREHFEDER	1D2		K266 16 028 0 BUCHSE	2J9	
K220 00 454 0 SCHARNIERBLECH	6H8		K266 11 049 0 DREHFEDER	1D2		K266 16 029 0 BUCHSE	2J9	
K220 00 455 0 SCHARNIERBLECH	6H8		K266 11 050 0 DREHFEDER	1D2		K266 16 030 0 BUCHSE	2J9	
K220 00 456 0 SCHARNIERBLECH	6H8		K266 11 051 0 DREHFEDER	1D2		K266 16 031 0 BUCHSE	2J9	
K220 00 457 0 SCHARNIERBLECH	6H8		K266 11 052 0 DREHFEDER	1D2		K266 16 032 0 BUCHSE	2J9	
K220 00 458 0 SCHARNIERBLECH	6H8		K266 11 053 0 DREHFEDER	1D2		K266 16 033 0 BUCHSE	2J9	
K220 00 459 0 SCHARNIERBLECH	6H8		K266 11 054 0 DREHFEDER	1D2		K266 16 034 0 BUCHSE	2J9	
K220 00 460 0 SCHARNIERBLECH	6H8		K266 11 055 0 DREHFEDER	1D2		K266 16 035 0 BUCHSE	2J9	
K220 00 461 0 SCHARNIERBLECH	6H8		K266 11 056 0 DREHFEDER	1D2		K266 16 036 0 BUCHSE	2J9	
K220 00 462 0 SCHARNIERBLECH	6H8		K266 11 057 0 DREHFEDER	1D2		K266 16 037 0 BUCHSE	2J9	
K220 00 463 0 SCHARNIERBLECH	6H8		K266 11 058 0 DREHFEDER	1D2		K266 16 038 0 BUCHSE	2J9	
K220 00 464 0 SCHARNIERBLECH	6H8		K266 11 059 0 DREHFEDER	1D2		K266 16 039 0 BUCHSE	2J9	
K220 00 465 0 SCHARNIERBLECH	6H8		K266 11 060 0 DREHFEDER	1D2		K266 16 040 0 BUCHSE	2J9	
K220 00 466 0 SCHARNIERBLECH	6H8		K266 11 061 0 DREHFEDER	1D2		K266 16 041 0 BUCHSE	2J9	
K220 00 467 0 SCHARNIERBLECH	6H8		K266 11 062 0 DREHFEDER	1D2		K266 16 042 0 BUCHSE	2J9	
K220 00 468 0 SCHARNIERBLECH	6H8		K266 11 063 0 DREHFEDER	1D2		K266 16 043 0 BUCHSE	2J9	
K220 00 469 0 SCHARNIERBLECH	6H8		K266 11 064 0 DREHFEDER	1D2		K266 16 044 0 BUCHSE	2J9	
K220 00 470 0 SCHARNIERBLECH	6H8		K266 11 065 0 DREHFEDER	1D2		K266 16 045 0 BUCHSE	2J9	
K220 00 471 0 SCHARNIERBLECH	6H8		K266 11 066 0 DREHFEDER	1D2		K266 16 046 0 BUCHSE	2J9	
K220 00 472 0 SCHARNIERBLECH	6H8		K266 11 067 0 DREHFEDER	1D2		K266 16 047 0 BUCHSE	2J9	
K220 00 473 0 SCHARNIERBLECH	6H8		K266 11 068 0 DREHFEDER	1D2		K266 16 048 0 BUCHSE	2J9	
K220 00 474 0 SCHARNIERBLECH	6H8		K266 11 069 0 DREHFEDER	1D2		K266 16 049 0 BUCHSE	2J9	
K220 00 475 0 SCHARNIERBLECH	6H8		K266 11 070 0 DREHFEDER	1D2		K266 16 050 0 BUCHSE	2J9	
K220 00 476 0 SCHARNIERBLECH	6H8		K266 11 071 0 DREHFEDER	1D2		K266 16 051 0 BUCHSE	2J9	
K220 00 477 0 SCHARNIERBLECH	6H8		K266 11 072 0 DREHFEDER	1D2		K266 16 052 0 BUCHSE	2J9	
K220 00 478 0 SCHARNIERBLECH	6H8		K266 11 073 0 DREHFEDER	1D2		K266 16 053 0 BUCHSE	2J9	
K220 00 479 0 SCHARNIERBLECH	6H8		K266 11 074 0 DREHFEDER	1D2		K266 16 054 0 BUCHSE	2J9	
K220 00 480 0 SCHARNIERBLECH	6H8		K266 11 075 0 DREHFEDER	1D2		K266 16 055 0 BUCHSE	2J9	
K220 00 481 0 SCHARNIERBLECH	6H8		K266 11 076 0 DREHFEDER	1D2		K266 16 056 0 BUCHSE	2J9	
K220 00 482 0 SCHARNIERBLECH	6H8		K266 11 077 0 DREHFEDER	1D2		K266 16 057 0 BUCHSE	2J9	
K220 00 483 0 SCHARNIERBLECH	6H8		K266 11 078 0 DREHFEDER	1D2		K266 16 058 0 BUCHSE	2J9	
K220 00 484 0 SCHARNIERBLECH	6H8		K266 11 079 0 DREHFEDER	1D2		K266 16 059 0 BUCHSE	2J9	
K220 00 485 0 SCHARNIERBLECH	6H8		K266 11 080 0 DREHFEDER	1D2		K266 16 060 0 BUCHSE	2J9	
K220 00 486 0 SCHARNIERBLECH	6H8		K266 11 081 0 DREHFEDER	1D2		K266 16 061 0 BUCHSE	2J9	
K220 00 487 0 SCHARNIERBLECH	6H8		K266 11 082 0 DREHFEDER	1D2		K266 16 062 0 BUCHSE	2J9	
K220 00 488 0 SCHARNIERBLECH	6H8		K266 11 083 0 DREHFEDER	1D2		K266 16 063 0 BUCHSE	2J9	
K220 00 489 0 SCHARNIERBLECH	6H8		K266 11 084 0 DREHFEDER	1D2		K266 16 064 0 BUCHSE	2J9	
K220 00 490 0 SCHARNIERBLECH	6H8		K266 11 085 0 DREHFEDER	1D2		K266 16 065 0 BUCHSE	2J9	
K220 00 491 0 SCHARNIERBLECH	6H8		K266 11 086 0 DREHFEDER	1D2		K266 16 066 0 BUCHSE	2J9	
K220 00 492 0 SCHARNIERBLECH	6H8		K266 11 087 0 DREHFEDER	1D2		K266 16 067 0 BUCHSE	2J9	
K220 00 493 0 SCHARNIERBLECH	6H8		K266 11 088 0 DREHFEDER	1D2		K266 16 068 0 BUCHSE	2J9	
K220 00 494 0 SCHARNIERBLECH	6H8		K266 11 089 0 DREHFEDER	1D2		K266 16 069 0 BUCHSE	2J9	
K220 00 495 0 SCHARNIERBLECH	6H8		K266 11 090 0 DREHFEDER	1D2		K266 16 070 0 BUCHSE	2J9	
K220 00 496 0 SCHARNIERBLECH	6H8		K266 11 091 0 DREHFEDER	1D2		K266 16 071 0 BUCHSE	2J9	
K220 00 497 0 SCHARNIERBLECH	6H8		K266 11 092 0 DREHFEDER	1D2		K266 16 072 0 BUCHSE	2J9	
K220 00 498 0 SCHARNIERBLECH	6H8		K266 11 093 0 DREHFEDER	1D2		K266 16 073 0 BUCHSE	2J9	
K220 00 499 0 SCHARNIERBLECH	6H8		K266 11 094 0 DREHFEDER	1D2		K266 16 074 0 BUCHSE	2J9	
K220 00 500 0 SCHARNIERBLECH	6H8		K266 11 095 0 DREHFEDER	1D2		K266 16 075 0 BUCHSE	2J9	
K220 00 501 0 SCHARNIERBLECH	6H8		K266 11 096 0 DREHFEDER	1D2		K266 16 076 0 BUCHSE	2J9	
K220 00 502 0 SCHARNIERBLECH	6H8		K266 11 097 0 DREHFEDER	1D2		K266 16 077 0 BUCHSE	2J9	
K220 00 503 0 SCHARNIERBLECH	6H8		K266 11 098 0 DREHFEDER	1D2		K266 16 078 0 BUCHSE	2J9	
K220 00 504 0 SCHARNIERBLECH	6H8		K266 11 099 0 DREHFEDER	1D2		K266 16 079 0 BUCHSE	2J9	
K220 00 505 0 SCHARNIERBLECH	6H8		K266 11 100 0 DREHFEDER	1D2		K266 16 080 0 BUCHSE	2J9	
K220 00 506 0 SCHARNIERBLECH	6H8		K266 11 101 0 DREHFEDER	1D2		K266 16 081 0 BUCHSE	2J9	
K220 00 507 0 SCHARNIERBLECH	6H8		K266 11 102 0 DREHFEDER	1D2		K266 16 082 0 BUCHSE	2J9	
K220 00 508 0 SCHARNIERBLECH	6H8		K266 11 103 0 DREHFEDER	1D2		K266 16 083 0 BUCHSE	2J9	
K220 00 509 0 SCHARNIERBLECH	6H8		K266 11 104 0 DREHFEDER	1D2		K266 16 084 0 BUCHSE	2J9	
K220 00 510 0 SCHARNIERBLECH	6H8		K266 11 105 0 DREHFEDER	1D2		K266 16 085 0 BUCHSE	2J9	
K220 00 511 0 SCHARNIERBLECH	6H8		K266 11 106 0 DREHFEDER	1D2		K266 16 086 0 BUCHSE	2J9	
K220 00 512 0 SCHARNIERBLECH	6H8		K266 11 107 0 DREHFEDER	1D2		K266 16 087 0 BUCHSE	2J9	</

Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel
K366 10 009 0 DISTANZROHR		6010	K367 36 017 0 HALTER		703	K504 15 017 0 DREHFEDER		236 2K1
K366 10 011 0 OBERTEILSTUEZTZE		6C1	K367 36 765 4 WARTUNGSEINHEIT		4H10	SPRING		
K366 10 012 0 DECKEL		407	CONDITION UNIT			K504 17 006 0 SCHNECKE		7H4
K366 10 013 0 BOCK		1H11	W3-HE			K504 17 007 0 SCHNECKENRAD		7J4
K366 10 013 3 KIPPHEBEL		1H12	K381 11 004 3 RAUDELNUTTER		3C4 3J4	K504 17 008 0 SPULERARM		7J4
K366 10 014 0 HEBEL		1H11	KNURLED NUT			K504 17 010 0 LAGER		7K4 7H4
K366 10 015 0 BOLZEN		1H11	K396 11 031 0 BUCHSE		3C2	K504 17 011 0 PLATTE		7K4
K366 10 016 0 DECKEL		2A3	BUSHING			K504 17 012 0 BREMSE		7L2
K366 10 017 0 SCHALTERBLECH		4L3	K396 11 047 0 DRUCKFEDER		3C2	K504 17 014 3 AUSRUECKHEBEL		7L4
			PRESSURE SPRING			K504 17 015 0 BUCHSE		7J4
K366 10 019 0 DISTANZMUTTER		6B11	K396 11 105 0 ROLLENSTIFT		6H11	K504 17 017 3 FADENLEGER		7H4
K366 10 020 3 ARMELLE		3A6	ROLLER PIN			K504 17 020 3 KURVENSCHEIBE		7J2
K366 10 020 4 ARMELLE		3A6	K396 11 132 0 SCHEIBE		6H11	K504 17 021 0 SPULERWELLE		7H4
K366 10 022 0 AUSG. EXZENTER		306 368	DISC			K504 17 022 0 ABDECKBLECH		7H4
K366 10 024 3 ARMELLE		308	K396 17 006 0 HUELSE		3K1	K504 17 024 3 SPULERRAD		762
K366 10 024 4 ARMELLE		308	BUSH			K504 17 025 0 DREHFEDER		7L4
K366 10 026 0 DECKEL		5E6	K396 17 008 0 DRUCKFEDER		3J2	K504 17 026 0 AUSRUECKFEDER		7J2
K366 10 027 0 KABELKANAL		4B8	PRESSURE SPRING			K504 17 027 0 BOLZEN		7J2
K366 11 001 0 FADENH. SCHUTZ		118	K396 17 017 0 GEWINDEBOLZEN		3C2	K504 34 043 0 DISTANZBOLZEN		4A9
K366 13 002 4 LUEFTERHEBEL		5A3	THREADED BOLT			K699 97 040 2 SCHLAUCH		4H11
K366 14 001 0 GRUNDPLATTE		3K7	K396 17 022 0 BUCHSE		3L2	6LX3		
K366 14 002 0 GRUNDPLATTE		3K11	BUSHING			K699 97 940 0 SCHLAUCH		6L1 7B5
K366 18 003 0 BOCK		5C5 106	K396 17 025 3 SPULERBOCK			2.7LHX65		7C2 7C4
K366 18 004 0 GABEL		504 106	WINDER BLOCK			K699 97 940 3 SCHLAUCH		4H8 6K1
K366 20 001 0 STICHPLATTE		767	K396 17 026 0 ARM		3J2	4LX1		7B5
K366 21 001 0 TRANSPORTEUR		7H7	ARM			K744 02 435 6 FLACHST. HUELSE		6H3 7B8
K366 35 001 3 DUESE V		4C5	K396 17 027 0 KLOBEN		3J2	3.6		
K366 35 004 4 ZYLINDER		4J5	BLOCK			K767 10 002 4 LAGERHUELSE K		3010 3G12
			K396 17 028 3 NOCKEN		3J2	HINTEN		
K366 35 005 0 DECKEL		6E6	CAM			K767 10 004 4 LAGERHUELSE K		3A8 308 369
K366 36 003 0 HALTER		4B5	K396 17 029 2 BOLZEN			MITTE		
K366 36 004 4 GESTELLSATZ K		6M1	BOLT		1H7	K802 41 472 0 SCHEIBE		3B1
			STOPFEN			DISC		
			PLUG			K803 03 765 6 SEMSCHRAUBE		3L2
K366 36 005 4 WART. EINHEIT K		4L10	K396 36 039 0 ZUGSTANGE		5A3	SCREW		
K366 36 755 9 MADELKUEHLUNG K		7A5	PULL ROD			M4X8		
K366 36 756 9 GREIFERKUEHL. K		7A2	K430 27 736 0 SCHEIBE		3J2	K803 06 642 7 SCHRAUBE		2J1 2K4
K366 48 001 4 POTT. H. LEIT. K		4C9	DISC			SCREW		
			K467 11 022 0 SPANNSCHEIBE		3E2 7K4 6C5	M2.5X4		
F. DREHZAHLINSTEL.			TENSION WASHER			K803 06 673 7 SCHRAUBE		2E2
K367 10 005 0 FLANSCH		1G12	K467 25 788 0 NZ-ERDUNG		666	SCREW		
FLANGE			K467 36 030 0 BLECH		6H2	M3X5		
K367 10 006 3 LAGERBUCHSE		3B10 3E12	PLATE			K803 06 718 0 ZYL. SCHR.		7F5 7K5
BEARING BUSH			K467 36 038 0 HALTER		6K1	M4X16		
HINEN			K467 36 042 0 ABDECKUNG		6F3	K803 08 558 0 SCHRAUBE		2E2 2H6
K367 10 020 3 ARMELLE		3A6	COVER			SCREW		
K367 10 020 4 ARMELLE		3A6	K467 48 024 4 KABEL K		7B4	M3X15		
K367 10 035 3 LAGERHUELSE		3A8 3B8 3E9	MAGNETVENTIL			K803 21 101 8 FEDERRING		2J1 2J4
BEARING BUSH			K467 80 022 0 SPANNSCHEIBE		7K4	B2.3		
K367 11 034 0 ROLLE		3C4 3H4	K477 15 046 3 STELLRING		2F5 2F6 2C6	K803 33 081 0 GEWINDESTIFT		1E2
ROLLER			ADJ RING			THREADED PIN		
K367 11 037 0 FADENOESE		1L8	YARN DISC		6H11	M4X4		
THREAD LOOP			K477 25 016 0 GARNTUELLER			K803 33 103 0 GEWINDESTIFT		2E6 2E9 2F12
OBERN			K477 35 118 0 WINDEL		4J10	THREADED PIN		2J9 309 3G10
K367 15 027 0 FEDER		2K4 2M1	K477 48 008 4 KABEL K		6J3 7C8	M6X6		
SPRING			MAGNETVENTIL					
K367 17 001 3 MITNAHRING		3C2						
RING								
F. SPULER								

Änderungen vorbehalten

Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel
K990 81-006-1	SCHRAUBENDREHER —SCHRAUBER —A-0-AX 2-5	6JB	K992 02 388 0	SCHRAUBE SCREW M5X8	267 705 7H5 7K5 7L5	K993 06 136 7	SCHRAUBE SCREW MAX10	2H2 6F3
K990 81-006-2	SCHRAUBENDREHER —SCHRAUBER —A-0-8X 5-5	6JB	K992 02 400 0	GEWINDESTIFT THREADED PIN M5X4	5E2	K993 06 137 7	ZYL.SCHR. MAX12	7G4
K992 00 043 0	GEWINDESTIFT THREADED PIN NR.28X 6	5J1	K992 02 470 7	GEN-STIFT M6X28	1C2	K993 06 142 7	SCHRAUBE SCREW MAX25	6F3
K992 00 065 0	MUTTER NR.89	2K6	K992 02 471 0	M10 X 12 NR.40X6,8	1J7	K993 06 156 7	SCHRAUBE SCREW M5X10	4J6 4K5 4K5 5K6 5H4
K992 00 102 0	KEGELSTIFT TAPER PIN 3,7X25	2E5 2G5	K992 10 599 0	ZYL.SCHR. M10 X 12 NR.40X6,8	603 7K2	K993 06 642 0	SCHRAUBE SCREW M5X10	4J6 4K5 4K5 5K6 5H4
K992 00 111 0	GEN-STIFT NR.40X 5	5C4 7L3	K993 02 127 0	STIFT CYLIND. PIN 10 M6X40	5G6 1H11	K993 06 673 0	ZYL.SCHR. M5X5	1J9 1L7 1M8
K992 00 119 0	SCHRAUBE SCREW NR.101L7	1G5	K993 03 134 7	SEIKSCHRAUBE SCREW M5X8	5D4 3L4	K993 06 715 7	SCHRAUBE SCREW MAX8	
K992 00 237 7	RAEDELNUTTER NR.28 4,6	6C5 7K4	K993 03 138 7	SEIKSCHRAUBE SCREW M5X16	3L1	K993 06 718 0	ZYL.SCHR. MAX16	
K992 00 244 0	GEWINDESTIFT THREADED PIN NR.28X4	5H2	K993 03 154 7	SEIKSCHRAUBE SCREW M5X6		K993 07 128 7	SCHRAUBE SCREW M5X12	
K992 00 352 7	MUTTER NR.31	5H2	K993 03 157 7	SEIKSCHRAUBE M5X12	6J5	K993 07 145 7	SCHRAUBE SCREW MAX15	
K992 00 495 7	SEIKSCHRAUBE SCREW	5L3	K993 03 765 7	SEIKSCHRAUBE —SCREW— MAX8	1L8	K993 08 506 0	SCHRAUBE —SCREW— MAX10	1F1 1G2 1H1
K992 00 625 0	ZYL. STIFT CYLIND. PIN 3 H9X8	3C9 3F10	K993 03 766 7	SEIKSCHRAUBE SCREW MAX10	4D7	K993 08 700 0	HALBRD.SCHR. —MAX10— MAX8	1L8
K992 00 661 0	GEWINDESTIFT THREADED PIN NR.26X 6	2M7	K993 03 830 8	SEIKSCHRAUBE SCREW M6X20	6H8	K993 08 701 8	HALBRD.SCHR. MAX8	1L8 4K4
K992 00 702 0	ROLLE —ROLLE— —SCREW— NR.40X6,8	1G7	K993 06 044 0	ZYL.SCHR. M2X6	2K4 2L1	K993 15 135 7	HOLZSCHRAUBE MAX25	6D10
K992 00 748 0	SCHAFETSCHRAUBE —SCREW— NR.40X6,8	2H4	K993 06 092 7	SCHRAUBE SCREW M3X4	7H2 7K2 7L4	K993 15 156 0	HALBRD.SCHR. MAX25	6D3 7L1
K992 00 957 7	SEIKSCHRAUBE SCREW NR.88X 7	5M3	K993 06 094 7	SCHRAUBE —SCREW— MAX6	1B5-1C5	K993 16 118 0	SEIKSCHRAUBE SCREW 4X35	
K992 01 265 7	SCHRAUBE SCREW NR.28X6,5	2M6	K993 06 133 7	ZYL.SCHR. MAX5	7K4	K993 16 176 7	SEIKSCHRAUBE SCREW 5X25	6H8
K992 01 508 7	SCHRAUBE SCREW NR.15X2,5X3	2K7 2L5	K993 06 134 0	ZYL.SCHR. MAX6	4A7	K993 16 384 7	SEIKSCHRAUBE SCREW 3,5X16	7L2
K992 01 539 0	SCHRAUBE SCREW NR.82X9,0	1F5	K993 06 134 7	SCHRAUBE SCREW MAX6	3K3	K993 19 034 7	SCHRAUBE DISC 3,2	1B5
K992 01 768 0	SCHRAUBE SCREW NR.15X3,5	5J3	K993 06 135 7	SCHRAUBE SCREW MAX8	7M4	K993 19 036 7	SCHRAUBE DISC 4,3	1C8 1K9 1L8 3A9 3D11 4A7 5G5 7G4
K992 01 798 0	LI.ZYL.SCHRAUBE NR. 40X5,5	6D6				K993 19 037 7	SCHRAUBE DISC B5,3	

Änderungen vorbehalten

Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel	Teil-Nr.	Benennung	Bildtafel
K993 52 115 0 GEWINDESTIFT THREADED PIN	MX6	483 4E1	K993 92 099 0 GEH-STIFT MX6	3J1	K994 27 140 0 KERBSTIFT DOMEL PIN	3K9 3K12		
K993 52 119 0 GEH-STIFT MX16	147 3B7	K993 92 110 8 GEH-STIFT MX8	3A6 3A8 3B8 3B10 3E8 3E9 3E12	K994 27 171 0 KERBSTIFT DOMEL PIN	8X30	3K9 3K12		
K993 53 127 0 GEWINDESTIFT THREADED PIN	204 2J11	K993 92 111 8 GEH-STIFT MX10	105	K994 38 030 8 SPANNHUELSE CLAMPING SLEEVE	8X32			
K993 54 101 0 MUTTER NUT	183 1K5 1M5 6D12	K993 92 112 8 GEWINDESTIFT THREADED PIN	1F12	K994 38 065 8 SPANNHUELSE CLAMPING SLEEVE	2X4			
K993 69 012 7 SCHLUESSEL KEY	6J8	K993 92 122 8 GEH-STIFT MX12	1F12	K994 46 071 7 ZYL-SCHR. MX12	3X12	2A3		
K993 90 066 5 SCHRAUBENDREHER SCREWDRIVER	6K8	K993 92 126 7 GEWINDESTIFT THREADED PIN	1A3 7B10	K994 46 100 8 ZYL-SCHR. MX10	117			
K993 91 064 8 SCHRAUBE SCREW	1J5	K993 93 115 8 GEH-STIFT MX20	2A7	K994 46 110 8 SCHRAUBE SCREW	108 1H9 3E6			
K993 91 080 7 SCHRAUBE SCREW	3A9 3B9 3D11 3E10	K993 93 117 8 GEH-STIFT M 6 X 25 45H	4X26	K994 46 112 7 SCHRAUBE SCREW	1L11			
K993 91 080 8 ZYL-SCHR. MX6	1J7	K993 93 133 8 GEWINDESTIFT THREADED PIN	1B3 104	K994 46 118 7 ZYL-SCHR. MX16	6D12			
K993 91 081 7 SCHRAUBE SCREW	1G12	K993 94 112 5 GEWINDESTIFT THREADED PIN	104	K994 46 166 8 ZYL-SCHR. MX50	3K8			
K993 91 081 8 ZYL-SCHR. MX8	3L4	K993 94 121 8 GEWINDESTIFT THREADED PIN	7J2	K994 80 144 7 SCHEIBE DISC	1J5			
K993 91 082 7 SCHRAUBE SCREW	2F1	K993 95 005 0 GEH-STIFT MX10	3J2	K994 80 148 7 SCHEIBE DISC	6D3 7L1			
K993 91 083 7 SCHRAUBE SCREW	1C2	K993 95 092 8 GEH-STIFT MX6	1H3 113	K995 19 014 8 SPANNHUELSE 2X10	762			
K993 91 083 8 SCHRAUBE SCREW	2E2	K993 95 104 8 GEH-STIFT MX10	4C3	K995 19 017 8 SPANNHUELSE 2X16	7J4			
K993 91 084 7 SCHRAUBE SCREW	4A5 5C6 1B8	K993 96 160 0 FL-KOPFSCHR. MX10	6B11	K995 34 061 7 MUTTER NUT	6G11 6L11			
K993 91 091 8 SCHRAUBE MX16	4A5 6H2 6J1 6K1	K993 97 098 0 FL-KOPFSCHR. MX8	6B11	K996 01 096 8 SICHERS RING CIRCLIP	3C10 3F12			
K993 91 102 8 SCHRAUBE SCREW	7B2 7D7	K994 04 179 7 EKT-SCHR. MX12	4J11	K996 01 100 8 SICHERS RING 20X1.2	1C3			
K993 91 104 7 SCHRAUBE SCREW	2C11 2E11 4A2	K994 04 210 7 SCHRAUBE SCREW	3L3 4K2 6G1 4B3 4H1 5L6	K996 02 118 8 SICHERS RING 25X1.2	1C4 1D4 1E6			
K993 91 105 8 ZYL-SCHR. MX16	4E1 5E1	K994 04 210 8 EKT-SCHR. MX16	4	K996 07 006 8 SICHERSSCHEIBE SAFETY DISC	3K1			
K993 91 106 8 ZYL-SCHR. MX18	2C7	K994 05 036 7 EKT-MUTTER M4	7B3	K996 07 007 8 SICHERSSCHEIBE SAFETY DISC	102 6E6 7J2			
		K994 05 038 7 MUTTER NUT	5C2	K996 07 008 8 SICHERSSCHEIBE SAFETY DISC	102			
		K994 05 093 0 6-KT-MUTTER M6	2F2					
		K994 27 098 0 ZYL-KERBSTIFT	4X26					

Änderungen vorbehalten

Teile-Nr.	Benennung	Bildtafel	Teile-Nr.	Benennung	Bildtafel	Teile-Nr.	Benennung	Bildtafel
K999 24 039 3	VERSCHRAUBUNG COUPLING	7C2						
K999 24 040 1	R 1/8" D 6 SCHLAUCHTUELLE HOSE SOCKET	4L11						
K999 24 041 5	R 1/8" D 6 W1-E -VERSCHR. D= 4 1/8" VERKUEZT	4C4						
K999 26 003 6	WIRBELST. KUEHL. MUTTER	7B5						
M643 00 040 9	MUTTER	6H10 6J10 6K10						
	NUT							
M643 00 251 0	M 6 VZI SCHEIBE	6H10 6J11 6K11						
	DISC							
0719 00 012 7	6,6 ST VZI SCHRAUBE							
	SCREEN							
0781 00 108 1	M 6 X 20 8,8 VZI GARNST. ROHR	6G11						
0791 00 108 6	YARN SUPP TUBE							
0791 00 108 6	KURZ UNTEN							
0791 00 108 6	GARNST. ROHR							
0791 00 108 6	YARN SUPP TUBE							
0791 00 108 8	KURZ OBEN							
0791 00 110 8	GARNST. ROHR KPL.	6H11						
0791 00 110 9	GARNHALTERARM KPL.	6L10						
0791 00 111 0	FADENF. ARM KPL.	6J10						
0791 00 111 1	TELLERHALTER							
0791 00 111 2	HOLDER							
0791 00 111 2	FADENFUEHRUNG							
0791 00 111 3	THREAD GUIDE							
0791 00 112 8	SCHELLE							
0791 00 112 8	TELLER KPL.	6H11						
746-789	SCHEIBE	2F1						
			Teile-Nrn. neu hinzu			07. 1995		
			204	110270 Rolle		7D11, 1G7		
			204	110280 Rolle		7D11		
			204	110290 Rolle		7D11		
			204	110300 Rolle		7D11		
			204	110310 Rolle		7D11		
			204	110320 Rolle		7C11		
			204	110330 Rolle		7C11		
			204	110380 Rolle		7D11		
			204	110390 Rolle		7E11		
			204	110400 Rolle		7E11		
			504	151330 Klemmring		2E7		
			993	087138 Halbrd.schr. MLS M3x10 1B5		1C5		
			999	210891 Schnäppor		1C5		
			9203	313057 Senkschraube M3x8		1C5		
			9217	301598 Linsenschraube MLS		2E7		
			Teile-Nrn. neu hinzu			08. 1993		
			966	100010 Arm		3H10		
			966	100290 Paszschraube		3K9 3K12		
			966	140013 Grundplatte		3K7		
			966	150010 Gew.Stift		2G4		
			966	150020 Fuesr.Beizen		2H4		
			966	150040 Paszschelbe		2F1		
			966	150060 Paszschelbe		2F1		
			966	220034 Gelenkflus		7G7		
			467	110220 Fadensp.Schelbe		3C2,3J4		
			893	921140 Gew.Stift		3A7		
			893	961600 Fl.Kopfschr.M5x10		1G4		
			993	021490 Zyl.Schraube M6x60		5C6 1C8		
			992	024200 Zyl.Schraube M6x22		2A11		
			993	087028 Halbrd.Schr.M4x10		1L8		
			993	087188 Halbrd.Schr.M3x16		2K2		
			993	281058 Schaltschr.M4x6		2H4		
			993	911247 Zyl.Schraube M6x16		6B11		
			993	912128 Zyl.Schraube M12x45		3K7		
			993	920818 Gew.Stift M4x6		1E7		
			999	211015 Nutmutter M12x1		2E2		
			999	211016 Bundbuehse		2E2,2F1		
			999	240305 Vert.Block R1/8"		4L8		
			0032	000369 Oelkanne		6L8		
			9081	500010 Schraubendreher		6J9		
			9081	500051 Schraubendreher		6J9		
			9092	079400 Nadel 794/180		7F7,7K7		
			9201	113297 6kt.Schraube M6x16		4J11		
			9201	113817 6kt.Schraube M6x20		6J11,6L11		
			9202	002087 Zyl.Schraube M4x12		1C2		
			9202	002148 Zyl.Schraube M4x40		4J5		
			9202	002498 Zyl.Schraube M5x16		2E11		
			9202	002878 Zyl.Schraube M6x10		1E7		
			9202	003303 Zyl.Schraube M6x20		1G12		
			9202	003348 Zyl.Schraube M6x40		6B2		
			9203	003667 Zyl.Schraube M4x10		2H2		
			9203	003967 Zyl.Schraube M5x10		4L5,5D4,5D6		
			9203	313647 Senkschraube M4x6		5D4 1C6		
			9203	313658 Senkschraube M4x8		1L8		
			9231	000397 6kt. Mutter M8		1C2,2A9		
			9231	110127 6kt. Mutter M6		4B3,4J11,7D4		
			9330	000087 Schelbe 4,3		1B6,1M8,5C5		
			9330	000107 Schelbe 6,4		1H7,4J11,6B1,7D4		
			9330	000167 Schelbe		4J11		
			9357	000090 Sich. Schelbe		2G7		
			9710	061110 Magnetventil 3/2 Wege 6J1,6L1,7B2,7D7				
			9792	001030 Reduziernippel R 1/8"		4K5,4L5		
			9825	151601 Stecker		4C9		
			9825	153002 Codierung, gelb		4C9		