

WARRANTY CARD

1. KH Trading machines and tools are covered by 6/24 months warranty, starting on the date of purchase, as described in the Civil Code (proof of purchase or invoice receipt must be enclosed with the warranty card when making a claim).
2. This warranty does not cover defects caused by unprofessional handling, machine overloads, not complying with instructions contained in this manual, using accessories that are not approved, unauthorized repair, regular wear and tear and damages occurred during transport. Further, this warranty does not cover parts and accessories such as the motor, carbon brushes, seals and hot-air operated parts and parts that need to be changed regularly.
3. If the repair is to be found as not covered by the warranty policy, all costs including the repair and shipping to and from the repair centre will be paid by the customer, according to valid price list. See www.
4. When making a claim, you must present the warranty card, showing the date of the purchase, the serial number of the machine, vendor stamp and signature of sales clerk, as well as the proof of purchase receipt.
5. Warranty claim shall be made at the vendor shop where you bought your machine or you may mail it to a service centre. The vendor is obligated to fill out the warranty card (date of sale, serial number, vendor stamp and signature). All these information must be filled in at the time of sale.
6. The warranty period will be extended for the period of time for which the machine has been in the service centre possession. If the repair or defect is not covered by the warranty policy, all costs including the repair and shipping will be paid by the owner of the machine / tool. We recommend sending the machine in its original packaging. Please, also enclose brief description of the defect with the packaging.
7. Before sending the machine for repair, clean it thoroughly. If the received machine is dirty, it may be rejected by the service shop or you may be charged a cleaning fee.

SERVICE

Logistic centre Klecany

Topolová 483

250 67 Klecany

Czech Republic

Claim department phone number: 266 190 156

266 190 111

Fax:

260 190 100

T-mobile: 603 414 975

O2: 601 218 255

Vodafone: 608 227 255

<http://www.KHnet.cz>

Email: servis@KHnet.cz

| | |
|---------------------------------------|---------------------------------|
| Product: SET OF SPRING PULLERS | |
| Type: SC1801 | Serial number (product series): |
| Date of manufacture: | Repair centre notes: |
| Date of sale, stamp, signature: | |
| | |

Without the correctly filled warranty card or without proof of purchase receipt, including the product type (invoice, purchase receipt) no warranty claim will be processed.

uni-max

USER'S MANUAL

SET OF SPRING PULLERS



SC1801

Dear customer. Thank you for purchasing equipment from KH Trading, s.r.o.
Our company is ready to offer you our services - before, during and after you buy our product.
If you have any question, comment or idea, please contact our business centre. We will do our best to address your comment or question in timely matter.

Before first use, please read this manual carefully. It is your responsibility to study all instructions, necessary for safe use and operation and to understand all risks that may be involved during the use of power machines.

WARNING! Do not try to use this machine before reading this entire manual and before you know how to handle it. Keep this manual for future reference.

Pay special attention to safety instructions. Not complying with safety rules may cause injury to the operating person or to people standing by or it may cause damage to the machine or to the work piece.

Pay special attention to safety notes and safety labels on the machine.

Never remove or damage them.

Please, write information such as the invoice number and the number of the sale receipt here in this box.

DESCRIPTION

Mechanical spring puller with plates with different dimensions has been designed for spring disassembly of Mercedes vehicles types 116, 123, 124, 126, 129, 140, 201, 202. Plates are made by forging a high quality metal. The upper plate is equipped with a three point automatic lock.

TECHNICAL SPECIFICATION

| | |
|--|-----------|
| Lift | 170 mm |
| Distance between fully opened jaws | 290 mm |
| Distance between fully closed jaws | 120 mm |
| Diameter of recess groove for spring (small/large) | |
| Small set | 70/120 mm |
| Large set | 93/140 mm |
| Hexagonal spindle piece | 19 mm |

The accuracy of instructions, graphs and information contained herein, depends on the printing date. Due to continuous product improvement, the manufacturer reserves the right to change technical parameters of the product, without prior customer notification.

REPAIR AND MAINTENANCE REPORT

Report and maintenance report:

| DATE | REPAIR AND MAINTENANCE REPORT | SERVICE SHOP |
|------|-------------------------------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

SAFETY PRECAUTIONS

- **This device may be used by a qualified person, 18 years or older who has been trained in work and environmental safety procedures.**
- **Any person using this equipment must possess a medical certificate demonstrating his eligibility to operate this equipment.**

Symbols used in this manual



Warning!
This symbol informs you about the risk of personal injury or damage to the machine or materials.



Warning!
Danger of damage.



Note:
Additional information.



General instructions

- Plastic bags and packaging materials pose danger for small children and animals.
- Make sure you know how to control your tool or machine and that you are familiar with its operating procedure. Know the hazards that may occur, if not used correctly.
- If other person is using this machine make sure that he knows how to safely operate this equipment and that he is familiar with hazards and risk that may occur, if not used correctly.
- Pay special attention to safety notes and safety labels on the machine. Never remove or damage them. If the warning label becomes unreadable, please contact your vendor.
- Keep your working place clean. Dirty and disorganized workplace may cause accidents.
- Never work in tight spaces or in purely lit rooms. Make sure the floor is solid and stable and that you can move around easily. Always keep stable posture.
- Keep focusing and use common sense. Do not continue working if you cannot pay attention.
- Maintain your tools clean and in safe working conditions.
- Handles must be kept free of grease and dirt.
- Make sure no children, unauthorized persons or animals have access to your workshop.
- Never put your hands or legs inside the working area.
- Never leave your machine unattended during operation.
- Use only for purposes for which it has been designed.
- Use personal protective gear such as safety goggles, ear protection, respirator, safe working shoes etc.
- Do not overreach, use both hands.
- Never work under the influence of alcohol or other drugs.
- Do not use the machine/tool if you feel dizzy or weak.
- Any modifications or improvements to the machine are strictly prohibited. **DO NOT USE** if you discover bent part, crack or other damage to your machine.

- Never perform any maintenance during operation.
- If you see any unusual sign or hear any strange sound, switch of the machine immediately.
- Do not forget to remove all wrenches and/or screwdrivers from the machine.
- Before use, make sure all screws are tightened securely.
- Perform maintenance regularly. Before use make sure the machine is in good working conditions and without any damage.
- Use only original spare parts during repairs.
- Using accessories or extension pieces not approved by the manufacturer may cause injuries.
- Use this machine only for work that could be handled by it. Do not overload tools, accessories or the machine. For large work volume use more powerful machine.
- Do not overload the machine. Measure the work load in such way, so it could be done with comfortable speed. Damages due to machine overload are not covered by the warranty policy.
- Do not expose to extremely high temperature or direct sunlight.
- This machine is not designed for use in humid environments or under water.
- If you are not using your equipment, store it in a dry and locked place, out of reach of children.
- Before switching your machine on, make sure that all safety elements work as designed. Make sure all moving parts are in good working conditions.
- Inspect all parts for cracks and damages. Make sure movable parts are not stuck and set properly. Also take into consideration other conditions that may have a negative effect on the proper function of your machine.
- If not stated otherwise in this manual, all damaged parts and safety elements must be repaired or changed.



Assembly

- Do not use the machine unless completely assembled.



Automotive repair shop equipment

- Before performing any maintenance, shift the gear into neutral, apply the vehicle hand break or use other means to prevent the vehicle from accidental move.



Power equipment

- If your machine is equipped with pressurised springs, use suitable device to release them slowly.
- Depressed spring may pose great risk to your health.
- Sudden spring release may cause serious injuries or death.

CAUTION

If the machine breaks down, send it back to the vendor for quick repair.

Please, enclose brief description of the defect. That makes repair easier. If the machine is still covered by warranty, enclose the warranty card and proof of purchase receipt. After the warranty period expires, we repair your machine for a special price.

To prevent possible damages during shipping, packed the machine carefully or use the original packaging material. We are not liable for shipping damages due to incorrect packaging of your machine. If making a claim at the shipping company the level and method of packaging plays a major role during claim evaluation process.

Note: Pictures and contents in this manual may slightly differ from the actual product or accessories. It is due to continuous improvement of our products. Such small differences have no effect on the product functionality.

ASSEMBLY

- Before throwing the packaging material out, make sure no part is left inside. If so, take it out and install it. Use the part listing for check-up and the installation drawing for guidance.

OPERATION

Assembled puller

- The supporting plates have different inner diameter - the lower one has larger diameter (see the right picture).



- The lower supporting plate is equipped with a conical surface seating.

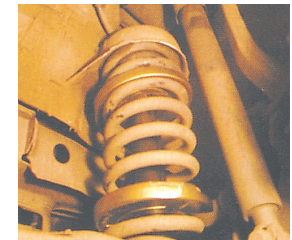


- The upper plate is equipped with safety locks against incidental turn or slip.



Using the puller on your vehicle

- As seen on the picture, place the lower plate (with the larger diameter) into the gap between the lower coils of spring.



- Push the pulling device through the lower opening in the lower plate. Make sure the hexagonal screw head is protruding out. See the picture. The supporting seating is not equipped with safety locks but with conical seating. The position is not fixed as it is with the upper plate.



- As seen on the picture, place the upper plate (with the smaller diameter) into the gap between the upper coils of the spring.
- Push the pulling device through the opening in the upper plate.



- Turn the pulling part of the device and the upper plate so the safety locking teeth safely fit inside the upper plate latch.
- Turn the hexagonal screw head until the plates are tighten.
- Make sure the teeth are securely fitted in the locks of the upper plate.
- Turn the hexagonal screw until the spring is depressed so you can perform the disassembly.
- Remove the spring and the depressed spring from the vehicle.
- Gradually release the spring and remove it from the puller.



NOTE

- Do not leave the spring inside the puller in the depressed state. The spring may get tired and lose its power. Also the puller would be under stress unnecessarily.

MAINTENANCE

- Keep your tools clean. Dirt from tools may enter the inner machine mechanism and cause damages to the tools or machine.
- Do not use aggressive cleaning solution or paint thinners to clean the machine.
- Clean plastic parts with soft cloth dipped in soapy water.
- Clean and lubricate metal surfaces with a cloth dipped in paraffin oil.
- Store the machine well lubricated in a dry place to protect it from corrosion and rust.

Lubrication

- Keep the puller clean. Lubricate the pulling screw and pulling parts of the device regularly. The hexagonal screw must turn easily.
- The bearing in the lower part is equipped with permanent grease filling.

Detailed description of the use of this device is not included in this manual, because the manufacturer / distributor assumes that the user is experienced in similar type of work. Also according to the applicable law, this device is considered as a commonly sold and used tool. If the user is unfamiliar with the use of this device, we recommend finding out more information about using this device at the Department of work safety.

Lubrication

Lubricate the threading of the pulling screw with suitable grease regularly or as needed.

DISPOSAL

When the operational life of your device is over, dispose of it in accordance with valid rules and regulations. Your product is made of metal and plastic parts that may be recycled when separated.

1. Disassemble all parts.
2. Separate all parts according to the material they are made of (e.g. metals, rubber, plastics, etc.).

Take the separated parts to the recycling facility near you for further processing. Information about the locations of recycling centres may be found at your local City office or throughout an Internet search.