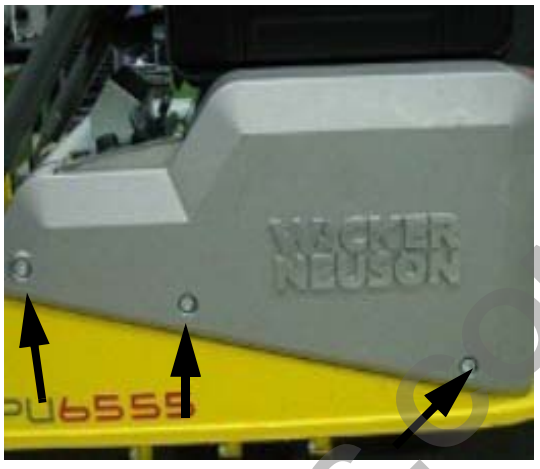
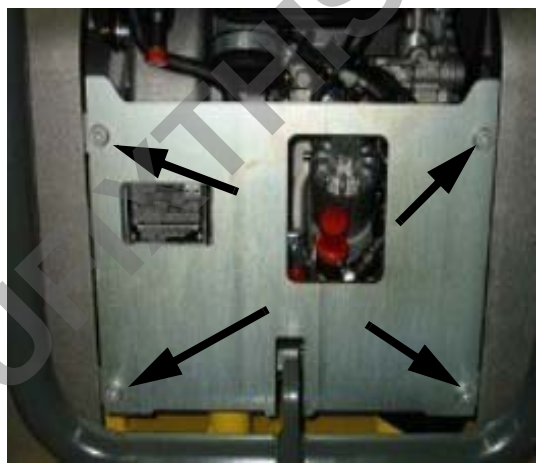
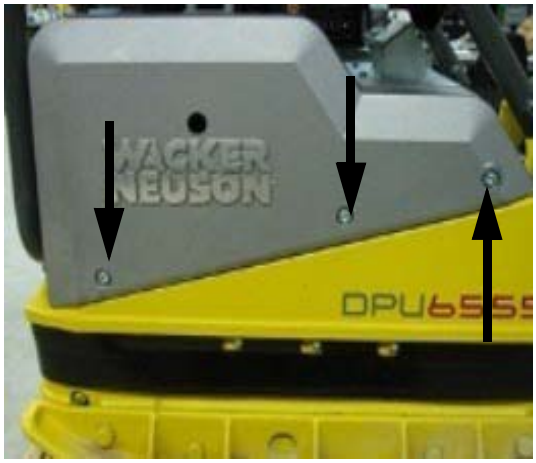
1. Loosen the 3 hexagon socket head cap screws with an Allen wrench SW10 and disassemble the belt guard (14).




2. Loosen the 4 hexagon socket head cap screws with SW8 and disassemble the protective side plate (15).



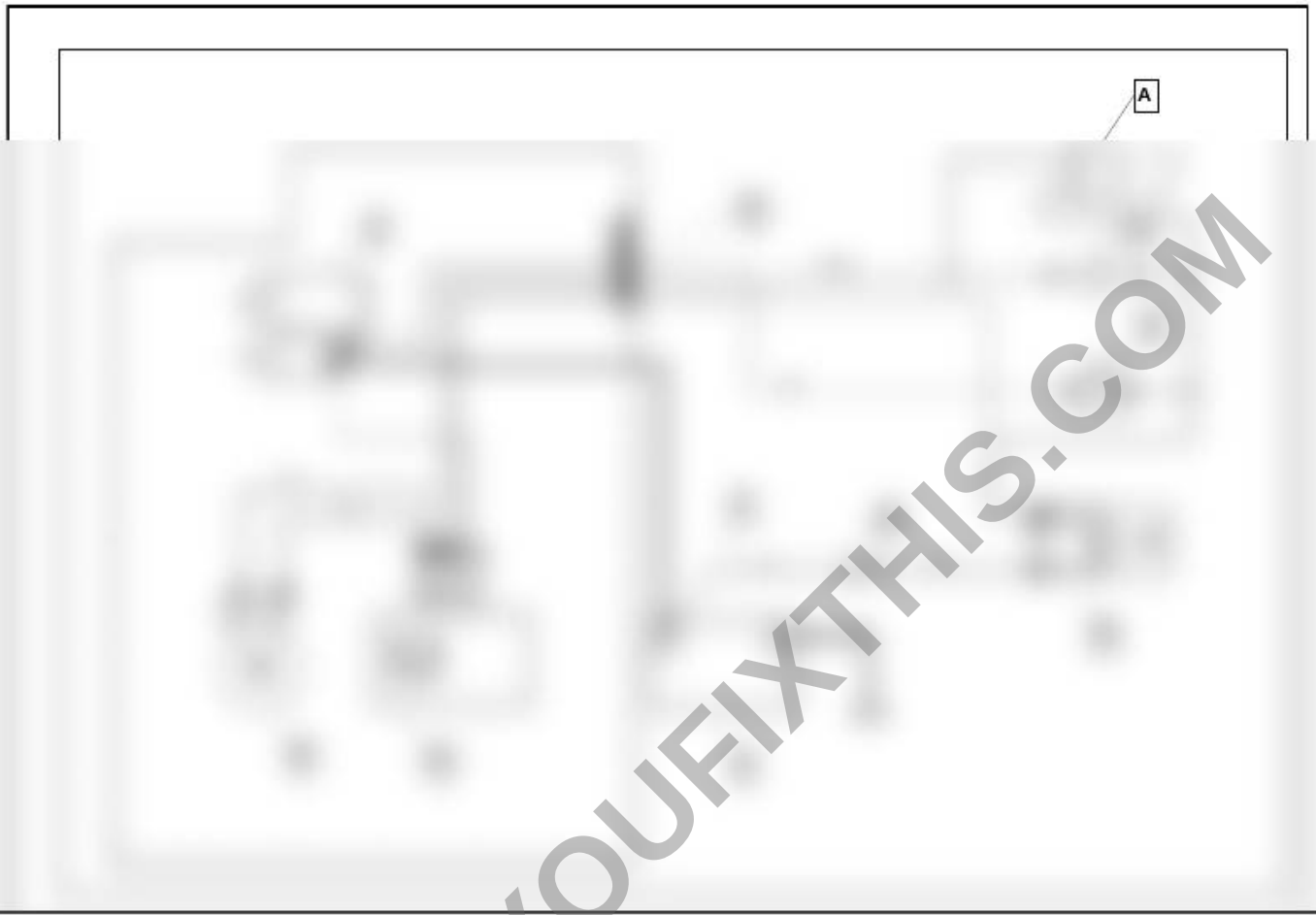
3. Loosen the 3 hexagon socket head cap screws with SW10 and disassemble the side cap (11).




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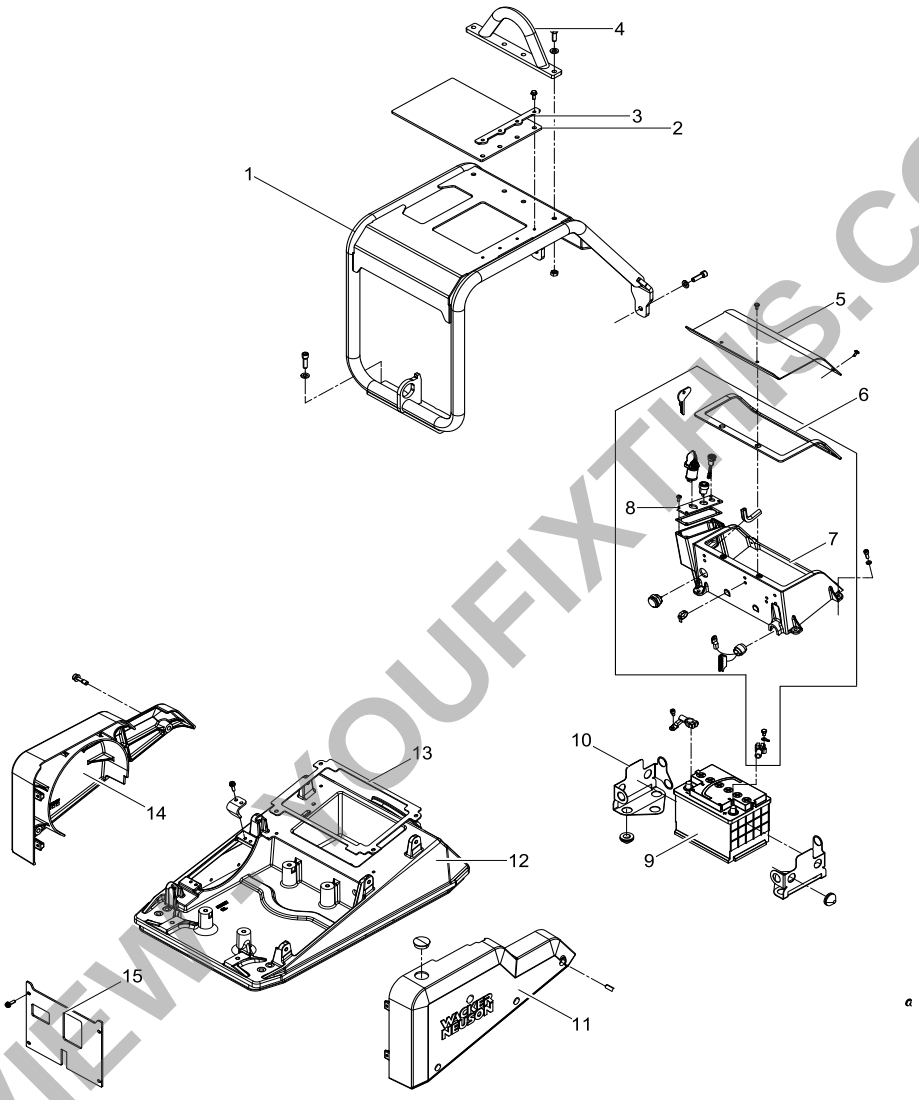

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# 6 Disassembly / assembly of protective frame, covers and battery

## 6.1 Disassembly of the protective frame, covers and battery.




| Pos | Designation | Pos | Designation |
|---|---|---|---|
| 1 | Protective frame | 10 | Battery protection supports |
| 2 | Vibratory plate | 11 | Protective hood |
| 3 | Fitting | 12 | Upper mass |
| 4 | Frame | 13 | Seal |
| 5 | Battery cover, coupled | 14 | Belt guard |
| 6 | Seal | 15 | Protective side plate |
| 7 | Battery guard | | |
| 8 | Operating elements | | |
| 9 | Battery | | |

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## 25.3 Troubleshooting and rectification

**Note:** The display unit (9) and the sensor (2) cannot be opened and repaired! If defective, please replace the respective component as a whole unit. Before doing so, please proceed through the following points for troubleshooting.

| ***Type of fault*** | ***Tests to be carried out*** | ***Possible causes*** |
|---|---|---|
| The diodes of the display unit do not light up. | Check the battery voltage | Battery voltage too low |
| | Check all cables and plug connections | Cabling defect |
| | Ensure the correct connection of the red and pink colored cable to the acoustic signal + pole | Lack of voltage supply to the system |
| | | Display unit may be defective |
| Simultaneous flashing of all diodes does not take place | Check all cables and plug connections | Cabling defect |
| | | The sensor is defective |
| No, wrong or only partial compaction display<br><br>(The basis for the correct compaction display is use in accordance with the intended purpose pursuant to the operator's manual) | Check all cables and plug connections | Cabling defect |
| | Check the sensor's fastening | The sensor is loose |
| | Check the engine speed | Engine speed is incorrectly set |
| | Check the fitting position of the sensor | The sensor is installed rotated by 180° |
| | | The sensor is defective |
| The display flickers under constant light conditions | Check all cables and plug connections | Cabling defect |

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# 2 Safety instructions

## 2.1 Policy

### Prior art

The equipment is built according to prior art and the recognized technical safety rules. Nevertheless, improper use can result in hazards to life and limb of the user or third parties or in damage to the equipment and other material assets.

### Proper use

The equipment may only be used for the following purposes:

- Soil compaction.
- Asphalt compaction.
- Vibrating paving stones.

The equipment may not be used for the following purposes:

- Compaction of very cohesive soils.
- Compaction of frozen soils.
- Compaction of hard, non-compressible soils.
- Compaction of non-load-bearing soils.

Use in accordance with the intended purpose also includes the observation of all information in this operator's manual as well as complying with the prescribed care and maintenance instructions.

Any use that goes beyond instructions is considered improper. The manufacturer's liability and warranty are canceled for any damage resulting from improper use. The risk lies entirely with the operator.

### Structural changes

Do not carry out any structural changes without written approval from the manufacturer. You will thereby be endangering your safety and the safety of others! Additionally, the manufacturer's liability and warranty will be canceled.

In particular, the following cases are considered structural changes:

- Opening the device and permanent removal of components that originate from Wacker Neuson.
- Installing new components that do not originate from Wacker Neuson or are not comparable in the design system and quality of the original parts.
- Attaching accessories that do not originate from Wacker Neuson.

You can safely install spare parts that originate from Wacker Neuson.

You can safely attach accessories that are available for your equipment in the Wacker Neuson product range. To do so, please refer to the attachment regulation in this operator's manual.

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# 1 Preface

This service manual contains information and procedures for the safe operation and safe maintenance of your Wacker Neuson machine. For your own safety and to protect against injuries, you must thoroughly read the safety instructions, familiarize yourself with them and observe them at all times.

This repair manual is not a manual for extensive maintenance or repair work. Such work should be carried out by the Wacker Neuson service or by certified personnel.

When building this equipment, great value was placed on the safety of its operator. However, improper operation or improper maintenance can pose hazards. Please operate and maintain your Wacker Neuson machine in accordance with the information in this repair manual. It will reward your attention by providing you with trouble-free operation and high availability.

Defective machine parts must be replaced immediately!

Please contact your Wacker Neuson contact partner for questions regarding operation or maintenance.

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We reserve the express right to technical changes that are used to improve our machines or raise the safety standard, even without special notice.

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**CAUTION**
The frame is bulky and heavy.
▶ Lift the protective frame (1) from the vibratory plate with a crane.

6. Remove the battery (9):
   ▶ Loosen the overflow hose for the acid, to the right on the battery (9).
   ▶ Loosen both poles of the battery (9) with SW13, beginning with the negative pole on the right side of the battery. You must open the red cover cap for the positive pole cable.
   ▶ Then you can lift the battery (9) out of the vibratory plate.



**Note:** You are also lifting out the protectors (10) with the battery (9)!

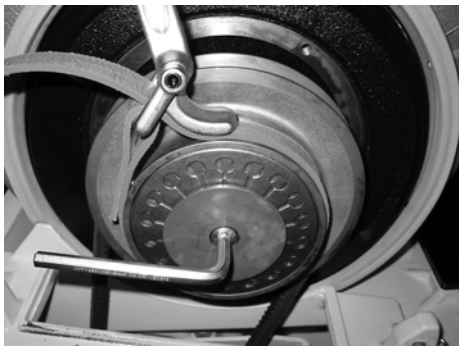
**CAUTION**
When lifting out the battery (9) from the vibratory plate, battery acid can run out of the side overflow opening.
▶ Always keep the battery (9) horizontal so that no acid runs out. Wear safety glasses, protective gloves and tight-fitting work clothes.

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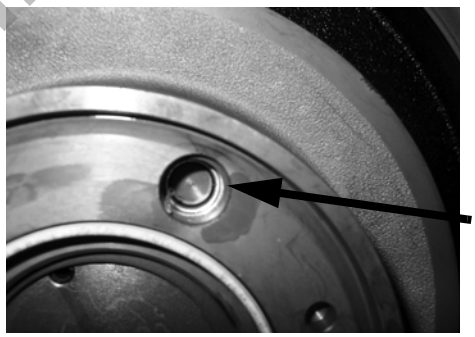
1. The belt guard must first be removed. See chapter "6.1 Disassembling the protective frame, covers and battery."
2. Turn the clutch by hand and find the position in which the V-belt is the least tensioned.
3. Open the hexagon socket head cap screw (pos. 1) with the Allen wrench SW 6. The clutch is held in place with a strap wrench (5000094654).



4. Completely unscrew the hexagon socket head cap screw (pos. 1). When unscrewing, the 2 disc springs (pos. 3) remove tension. The original screw is long enough so that the disc springs remove tension before the screw exits the thread.
5. The hexagon socket head cap screw (pos. 1), mushroom washer (pos. 2), disc springs (pos. 3) and seal (pos. 4) can be removed.



6. If the V-belt pulley (pos. 5) and a pin (pos. 7) are not marked, mark them so that the clutch parts are re-installed in the same position.



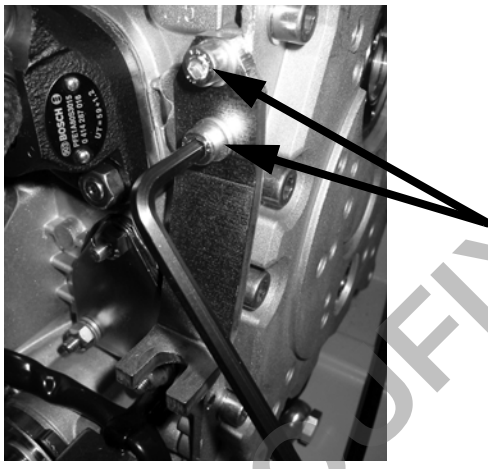
Marking on the clutch and pin

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1. First remove the side covers and electrical switches. See chapter "6.1 Disassembling the protective frame, cover and battery." Carry out all steps.
2. Completely remove the clutch. See Chapter "9. Disassembly of the clutch and replacing the V-belt." Carry out all steps.
3. Remove the Bowden cable. See Chapter "11. Disassembly of the Bowden cable." With an intact control (Bowden cable), only remove the control from the engine. A replacement is not necessary
4. Lift the battery from the battery box. Note the ventilation hose.
5. Loosen and remove 2 hexagon socket head cap screws (pos. 11) with washer (pos. 12). Remove the console (pos. 13).




6. Loosen the hexagonal nut (pos. 10) with washer (pos. 9) with the open-end wrench SW10 and remove with button head screw (pos. 7). Remove lever (pos. 8) from the shaft.

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**Note:** The gear shaft (pos. 9) and spacer (pos. 11) fall out.

7. In order to press out the spacer (pos. 11), insert the gear shaft (pos. 9) again and press out with a drift pin.



8. The spacer (pos. 11) has an O-ring inside (pos. 12) and an O-ring outside (pos. 10).



9. If defective, both O-rings can be removed with a screwdriver.
10. The guide (pos. 7) can be pressed out through the oil filling opening with a drift pin using a hand press.

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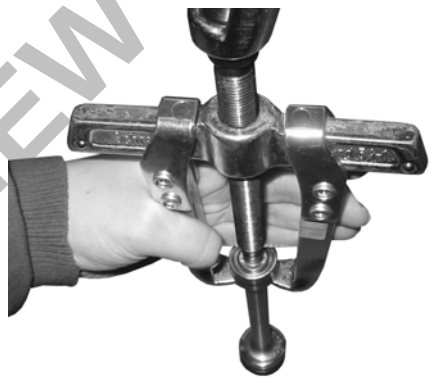
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29. Loosen the 10 hexagonal bolts (pos. 5) with an Allen wrench SW10 and remove with the spring washer (pos. 18). The screw is glued and may be difficult to loosen.



30. Pull both deep groove ball bearings (pos. 17) from the bolt (pos. 15) with the two-arm extractor.



31. If necessary, remove the lip seal ring (pos. 13) and O-ring (pos. 14).

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