**Special Tools Require**
- 3 mm Allen key 4931 599 009
- 4 mm Allen key 4931 599 010
- Torx screwdriver TX15 4931 599 004
- Torx screwdriver TX10 4931 599 003
- Forcing discs 4931 599 018
- Bevelled Seeger circlip pliers 4931 599 057
- Assembly sleeve 4931 599 038
- Assembly device 4931 599 039

**Important!**
- Before beginning the maintenance work, perform an initial check with a high voltage test according to VDE (see chapter Electrical and Mechanical Test Instructions).
- Before all repair work, pull the power plug from the socket!

## Disassembly

### Machines with QUIK-LOK:

#### Removing the QUIK-LOK cable

1. Pull off the QUIK-LOK cable from the machine.
2. Loosen the screw (1) and take apart the plug into two parts (2) and (9).
   - The screw (1) has a centrical pin (see enlargement). It can only be removed with a respective Torx screwdriver with a centrical boring (A)! This Torx screwdriver is part of the service tool kit. It can also be ordered with order number 4931 599 085.
3. Pull down the cable entry sleeve (7) slightly.
4. Loosen the screw (3) and disassemble the inner plug into three parts (4), (5), and (6).
5. Remove the contacts (8) with cables.

### Removing the auxiliary handle

1. Unscrew the auxiliary handle (3) from the mounter (1) counter-clockwise.
2. Remove the washer (2).
Disassembling the mounter of the auxiliary handle

1 Pull the spacer (3) from the clip (1).
2 Bend open the clip (1) on both sides (see arrows) and pull out the set screw (2).
3 Remove the clip (1) from the chuck (see illustration below).

Machines with SDS-Plus:

Disassembling the receiver

For further dismantling of the machine, use the assembly device (service tool, 4931 599 039).

1 Lever off the rubber cap (1) (e.g. with aid of a screwdriver).
2 Remove the sleeve (3).
3 Depress the holding ring (4) and at the same time loosen the spring ring (2) with bevelled Seeger circlip pliers, and remove it. Remove the holding ring (4).
4 Remove two balls (7) from the spindle sleeve (8) (e.g. with aid of a magnetic screwdriver).
5 Remove the plate (5) and the pressure spring (6).
Machines with FIXTEC:

Removing the FIXTEC adapter

1 Remove the spring ring (1) with bevelled Seeger circlip pliers.
2 Remove the setting sleeve (2).
3 Depress the sleeve (B) and pull the FIXTEC adapter (7) from the spindle.
4 Remove the following parts:
   – jumper ring (5)
   – spacer (6).
5 Remove two balls (9) (Ø = 5 mm) and one ball (A) (Ø = 7 mm) from the FIXTEC adapter (7) (e. g. with aid of a magnetic screwdriver).
6 Remove the O-ring (8).
7 Remove the spring ring (4) and three silicone stoppers (3) from the setting sleeve (2).

Machines with FIXTEC:

Removing the FIXTEC adapter

1 Depress the sleeve (2) and remove the spring ring (1) with bevelled Seeger circlip pliers. Remove the sleeve (2).
2 Depress the ring stop (3) and hold it in this position. Remove six balls (7) (Ø = 6 mm) from the spindle sleeve.
3 Remove the following parts:
   – ring stop (3)
   – pressure spring (4)
   – washer (5)
4 Remove the spring ring (6) with bevelled Seeger circlip pliers (8) (service tool 4931 599 057).
Removing the carbon brushes

1. Remove three screws (3) (K4x18 (K for plastic housing)) from the motor cap (2) and pull off the motor cap (2).

2. Remove the two silicone stoppers (1) from the motor cap (2).

3. Engage the pressure springs (5) on both sides of the carbon brushes (6) in “holding position”, i.e. let them engage in the back groove.

Pull the carbon brushes (4) on both sides from the carbon brush holders (6).

Detaching the handle

1. Loosen the four handle screws (6) (K4x18) and remove the handle (5).

2. Remove the two silicone stoppers (4) and (7) from the handle half (5).

3. Expel the bolt (2) from the handle half (1).

4. Remove the yellow field wires (3) from the field (9) and pull them out of the motor housing (8).

5. Detach the handle (1) from the machine.
Disassembling the electric components

1  **Machines without Quik-Lok:** Remove two screws (3) (K4x12) from the strain relief (2) and remove the strain relief. Branch off the mains cable (6) from the switch (1) and remove it. **Machines with Quik-Lok:** Branch off the sleeve (7) from the switch (1) and remove it.

2  Remove the following parts from the handle:
   – switch (1)
   – electronic element (4)
   – two field wires (5) (yellow).

Disassembling the housing

1  Remove the two screws (5) from the outer part of the motor housing (4) and the two screws (6) inside the motor housing (4) (TX15 or 3 mm Allen key). (Screws (5) and (6): M4x25, M = metal).

2  Remove the motor housing (4).

3  Remove two screws (2) (M4x10) from the gear cover (1) (TX15 or 3 mm Allen key). Remove the gear cover (1).

4  Remove the felt (3) of the pneumatic gear from inside the gear cover (1).
Detaching the field

1. Remove the air deflector ring (1) from the motor housing (2).
2. Pull the carbon brush holders (4) together with the field (6) from the motor housing (2).
   - If necessary, tap the motor housing lightly with a plastic hammer for support.
3. Carefully remove the four plastic clips (3) at the carbon brush holders (4) from the field (6) (with aid of a screwdriver), and pull off the carbon brush holders (4).
4. Remove the holding-down device (5) from the field (6).

Removing the damping elements

- Attention! Danger of injury when removing the damping elements due to releasing springs!

1. Carefully unscrew the two screws (5) (TX10), then remove the latch plate (4) and the two springs (3).
2. Remove both guide bolts (2) with a 4 mm Allen key.
   - The guide bolts (2) are glued in!
3. Remove the two discs (1).
Disassembling the armature

1 Remove the three screws (4) (M4x12) with a 3 mm Allen key from the bearing end plate (3) and remove the armature assembly together with the bearing end plate.

- If necessary, use a plastic hammer for support.

2 Remove the O-ring (2) from the bearing end plate (3).

3 Remove the two screws (1) (M4x12) with a 3 mm Allen key from the bearing end plate (3). Detach the bearing end plate (3) from the armature.

4 Remove the following parts from the armature (B):
   - bearing (7) with pinion (5)
   - Press off the bearing (7) with the pinion (5) with aid of forcing discs and a hardened pin (Ø = 3 mm). For this, insert the pin into the central bore of the pinion.
   - spring ring (6)
   - O-ring (9)
   - bearing cover (A) (press off)
   - seal ring (8)
   - rubber sleeve (E)
   - bearing (D) (press off)
   - insulating disc (C).

Detaching the switch handle

1 Bring the switch handle (2) into the position .

2 Hold the locking device (3) depressed (illustration A) and turn the switch further than the position (illustration B) until the switch handle (2) can be pulled from the housing.

3 Remove the O-Ring (1).
Removing the bearing cover and the gear case insulation

1 Unscrew the two screws (3) (M5x12) with a 4 mm Allen key.
2 Remove the bearing cover (2) and the O-ring (1).
3 Put screwdrivers under the “lugs” of the gear case insulation (4), widen it and push the gear case insulation from the machine.

Disassembling the gear case

1 Remove the four screws (1) (M4x35) from the gear case (2) and pull off the gear case.
2 Remove the gasket (3).
3 Loosen the screw (A) (TX10) and remove the following parts:
   - locking plate (9)
   - guide bolt (7)
   - spring (8).
4 Pull out both the small needle bearing (6) and the large needle bearing (5) with aid of an interior extractor.
5 Pull out the seal ring (4) with a screwdriver.
Removing the spindle assembly

1. Remove the four screws (4) (M4x25) with a 3 mm Allen key.
2. Pull out the spindle assembly (5).
3. Remove the cylinder (1) from the wobble drive.
4. Remove the two discs (3).
5. Push out the bolt (2) by hand.

Disassembling the spindle (outer parts)

1. Remove the percussion body (C) from the spindle (2) or the cylinder. Remove the O-ring (D).
2. Remove the Seeger circlip ring (B) with circlip pliers.
3. Remove the damping ring (A).
4. Remove the end plate (9) and the washer (8).
5. Remove the spring ring (7): press the spindle wheel (4) with a sleeve against the cup springs (3) – the spring ring (7) is released and can be removed with pliers.
6. Remove the clutch disc (6) with its three bolts (5).
7. Remove the spindle wheel (4).
8. Remove the three balls (1).
9. Remove the cup springs (3).

Disassembling the spindle (removing the inner locking ring)

1. Insert two or three screwdrivers into the service bores (1) and lever off the round wire ring (2) little by little.
2. Press out the round wire ring (2) from the tool reception (see illustration), e. g. with a pin (3). The inner parts of the spindle (snap die, pressure sleeve etc.) are pressed out as well.
Machines with SDS-Plus:

Removing the inner parts of the spindle

1 Push the following parts from the spindle (1) (e.g. with a pin Ø = 8 mm (A)):
   - disc (9)
   - pressure sleeve (6)
   - snap die (4)
   - sleeve (2) (is pressed in).

2 Remove the O-rings (8), (5) and (3).

3 Remove the O-ring (7) from inside the pressure sleeve (6).

Machines with FIXTEC:

Removing the inner parts of the spindle

1 Push the following parts from the spindle (1) (e.g. with a pin Ø = 8 mm):
   - disc (9)
   - pressure sleeve (6)
   - snap die (4)
   - sleeve (2) (is pressed in).

2 Remove the O-rings (8), (5) and (3).

3 Remove the O-ring (7) from inside the pressure sleeve (6).

Disassembling the gear case

1 Remove the screw (2) (TX15).

   Steady the reduction gear (1) while removing the screw!

2 Remove the reduction gear assembly (1) from the gear case (4).

3 Pull out the bearing (3) with an interior extractor.
Disassembling the reduction gear shaft

1. Remove the spring ring (1).
   - The spring ring (1) will get damaged when being removed!

2. Pull off the spindle gear (2).

3. Press off the bevel gear (C) with aid of forcing discs.

4. Remove the following parts from the reduction gear shaft (3):
   - distance sleeve (B)
   - wobble drive (A)
   - coupling sleeve (9)
   - spring (8)
   - disc (7)
   - sleeve (6)
   - sliding switch (4)
   - cylinder pin (5).
Maintenance

General
It is recommended to regularly submit the tool to maintenance after the carbon brushes have switched off.

Cleaning
Clean all parts – with the exception of the electrical parts – with cold cleaning agent. Caution! No cleaning agent should penetrate into the bearing. Clean the electrical parts with a dry brush.

Check for wear
Check the disassembled parts for wear (visual inspection) and replace worn parts.

Electrical tests
Before reassembling, perform an electrical test on all relevant parts (see chapter Electrical and Mechanical Test Instructions).

Lubrication
Each time maintenance is performed, the machine is to be lubricates as stated in the lubrication plan. After the machine is fully disassembled, completely remove the old grease and replace with new grease. The grease must be applied to the machine as indicated in the lubrication plan.

Lubrication chart for SDS-Plus machines:

A
Cover res. fill with 7.5 g grease type Urethyn GE 00 (Order No. 4931 624 393: 45 g tube).

B
Cover res. Fill with 50 g grease type Darina (Order No. 4931 215 922: 100 g tube).

Torques
Screws in plastic 1,7 Nm
Screws in metal 2,5 Nm (Screw locking device Omnifit 80 or Loctite 222)
Lubrication chart for FIXTEC machines:

A  Cover res. fill with 7.5 g grease type Urethyn GE 00 (Order No. 4931 624 393: 45 g tube).

B  Cover res. Fill with 63 g grease type Darina (Order No. 4931 215 922: 100 g tube).

**Torques**

- Screws in plastic: 1.7 Nm
- Screws in metal: 2.5 Nm (Screw locking device Omnifit 80 or Loctite 222)
Assembly

Assembling the reduction gear shaft

1 Mount the following parts on the reduction gear shaft (3):
   - disc (5)
   - spring (6)
   - coupling sleeve (7)
   - wobble drive (8)
   - distance sleeve (9).

2 Press on the bevel gear (A).
   - Keep a distance of 0.1 - 0.2 to the distance sleeve (9) (see lower illustration).

3 Press on the spindle gear (2).

4 Mount a new spring ring (1).

5 Mount the sleeve (4).
   - The collar of the sleeve (4) must point towards the wobble drive!

Assembling the gear case

1 Press the bearing (6) into the gear case (7).

2 Insert the reduction gear (4) without the sliding switch (1) and the cylinder pin (2) into the gear case (7) and fix it with the screw (5) (TX15).

3 Place the sliding switch (1) slantwise upon the gear case and depress it (illustration A), then bring it into a straight position (illustration B).
   - The sliding switch (1) must be hooked in below the collar of the coupling sleeve (3).

4 Insert the cylinder pin (2) (illustration B).

5 Turn the reduction gear shaft (4) and check it for smooth running.
Machines with SDS-Plus:

Assembling the spindle (mounting the inner parts)

1. Mount the O-ring (3) on the snap die (4).
2. Mount the O-rings (5) and (8) on the pressure sleeve (6). Mount the O-ring (7) inside the pressure sleeve (6).
3. Push the following parts into the spindle (1):
   - sleeve (2) (press it in)
   - snap die assembly (4)
   - pressure sleeve assembly (6)
   - disc (9).
4. Push the spring ring (A) with aid of a used cylinder (B) into the spindle (1) until it engages.

The proper seat of the spring ring (A) is guaranteed when half of the bores in the cylinder (B) are covered by the spindle (1) (see illustration) and when half of the spring ring (A) is visible through the service bores (C) in the spindle.

Machines with FIXTEC:

Assembling the spindle (mounting the inner parts)

1. Mount the O-ring (3) on the snap die (4).
2. Mount the O-rings (5) and (8) on the pressure sleeve (6). Mount the O-ring (7) inside the pressure sleeve (6).
3. Push the following parts into the spindle (1):
   - sleeve (2) (press in)
   - snap die assembly (4)
   - pressure sleeve assembly (6)
   - disc (9).
4. Push the spring ring (A) with aid of a used cylinder (B) into the spindle (1) until it engages.

The proper seat of the spring ring (A) is guaranteed when half of the bores in the cylinder (B) are covered by the spindle (1) (see illustration) and when half of the spring ring (A) is visible through the service bores (C) in the spindle.
Assembling the spindle (mounting the outer parts)

1. Mount the O-ring (D) on the percussion body (C).

2. Mount the following parts on the spindle (2):
   - cup springs (3)
   - spindle wheel (4)
   - clutch disc (6) with its three bolts (5)
   - three balls (1) (fix them with grease)

3. Insert the percussion body assembly (C) into the cylinder (E).

   Arrange the cup springs (3) as shown in the cross-section.

   – cup springs (3)

   – spindle wheel (4)

   – clutch disc (6) with its three bolts (5)

   – three balls (1) (fix them with grease)

   Arrange the bolts (5) and the balls (1) as shown in the top view.

   – spring ring (7)

   For mounting the spring ring (7), press the spindle wheel (4) with a sleeve against the cup springs (3) (top illustration).

   The dimensions for the sleeve can be taken from the below illustration!

   – washer (8)

   – end plate (9)

   The smooth side of the end plate (9) must point towards the reception.

   – damping ring (A)

   – Seeger circlip ring (B).
Mounting the spindle assembly
1. Insert the cylinder (1) with two discs (3) and bolts (2) into the wobble drive. The wobble drive must be in the upmost position. Make sure the pin of the wobble drive grasps into the bore of the bolt (2).
2. Insert the spindle (5).
3. Daub the four screws (4) (M4x25) with Loctite 222 or Omnifit 80 and tighten them with a 3 mm Allen key (M = 2.5 Nm).

Assembling the gear case
1. Press in the seal ring (1) with aid of the assembly device (B) (service tool 4931 599 038).
2. Press in both the small needle bearing (4) and the large needle bearing (3).
3. Insert the spring (6) into the gear case (2). Insert the guide bolt (5) and the screw (8) into the locking bolt (7) and insert them together into the gear case (2). Fix the locking bolt (5) with a 3 mm Allen key. Tighten the screw (8) (TX10) (M = 2.5 Nm).
4. Insert the gasket (A).
5. Fix the gear case (2) with four screws (9) (TX15 or 3 mm Allen key).
Inserting the bearing cover and the gear case insulation

1 Slightly widen the gear case insulation (5) and push it over the gear case (4) (if necessary, use two screwdrivers for support).

Let the gear case insulation (5) engage in the groove at the side of the gear case (4)!

2 Insert the O-ring (1) into the gear case (4) and fix the bearing cover (2) with two screws (M5x12), using a 4 mm Allen key.

Mounting the switch handle

1 Slightly grease the O-ring (1) and mount it on the switch handle (2).

Bring the switch handle (2) to the position and insert it into the machine (illustration A). Depress the locking device and turn clockwise (illustration B) until the switch handle (2) engages audibly. After that, turn it back to the required position (C) and release the locking device.
Mounting the damping elements

1. Insert two discs (1) and mount the guide bolts (2) with a 4 mm Allen key (M = 2.5 Nm).

2. Mount the springs (3), carefully depress them and fix them with the latch plate (4) and two screws (5) (TX10).

⚠️ **Attention! Danger of injury when mounting the damping elements!**

Mount the first spring and fix it with the latch plate (4) and the screw (5). Then mount the second spring and steady it with the latch plate (4) until the second screw (5) grasps the guide bolt (2)!
Assembling the armature

1. Mount the following parts on the armature (B):
   - insulating disc (C)
   - bearing (D) (press on)
   - O-ring (9)
   - bearing cover (A) (press on)
   - seal ring (8).

2. Mount the spring ring (6) on the pinion (5).

3. Press the bearing (7) onto the pinion (5) and press them together onto the armature shaft.

   Make sure you keep the measure of 148.4 mm when pressing on the above parts (see sectional drawing below)!

4. Mount the bearing end plate (3) and fasten it with two screws (1) (M4x12), using a 3 mm Allen key.

5. Put the O-ring (2) on the bearing end plate (3).

6. Fix the armature to the gear case with three screws (4) (M4x12) (3 mm Allen key).

7. Fasten the rubber sleeve (E).

Measure of the pressed-on parts:
Pinion – back armature bearing

148.4 mm
Mounting the field

1 Insert the field (6) into the motor housing (2).
2 Mount the holding-down device (5).
3 Insert the carbon brush holders (4) into the four contacts of the field (6). Let the four plastic clips (3) of the carbon brush holders (4) engage in their counter-parts on the field (6).
4 If necessary, slightly bend open the plastic clips (3) with a screwdriver to let them engage in the field (6).
5 Insert the air deflector ring (1).

Assembling the housing

1 Insert the felt (3) into the gear cover (1).
2 Fix the gear cover (1) with two screws (2) (M4x10) on the gear case (TX15 or 3 mm Allen key, M = 1.7 Nm).
3 Mount the motor housing assembly (4) and fix it with two screws (5) from outside and two screws (6) from inside (M4x25) (TX15 or 3 mm Allen key, M = 2.5 Nm).
**Mounting the electric components**

1. Insert the following parts into the handle (7):
   - field wires (5)
   - electronic element (4)
   - switch (1).

   For the wiring diagram, please refer to page 23.

2. **Machines without Quik-Lok:** Insert the mains cable (6) into the handle and connect it with the switch (1). Fix the strain relief (2) with two screws (3) (K4x12) (M = 3 Nm).

   **Machines with Quik-Lok:** Mount the insert (8) in the handle and connect it with the switch (1).

   Make sure no wires are squeezed or jammed!

**Mounting the handle**

1. Put the handle (1) on the machine.

   The latch plate (A) must be inserted into the groove (B) in the handle (1)!

2. Lead the yellow field wires (3) through the handle (1) and the motor housing (8) and connect it with both field contacts (9).

   For the wiring diagram, please refer to page 23.

   Make sure no wires are squeezed or jammed!

3. Push the bolt (2) into the handle half (1).

4. Insert two silicone stoppers (4) and (7) into the handle half (5).

5. Assemble the handle halves (5 and 1) and fix them with four screws (6) (K4x18) (M = 1.7 Nm).
### Wiring diagram for 230 V machines

<table>
<thead>
<tr>
<th>Wire No.</th>
<th>Colour</th>
<th>Function</th>
<th>Position and Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red</td>
<td>connection between switch and electronic element</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>yellow</td>
<td>connection between switch and electronic element</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>blue</td>
<td>connection between switch and electronic element</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>brown</td>
<td>connection cable</td>
<td>2 (2↑ on the screw)</td>
</tr>
<tr>
<td>5</td>
<td>light blue</td>
<td>connection cable</td>
<td>1 (1↑ on the screw)</td>
</tr>
<tr>
<td>6</td>
<td>blue</td>
<td>connection between switch and electronic element</td>
<td>- (contact fix)</td>
</tr>
<tr>
<td>7</td>
<td>blue</td>
<td>connection between switch and electronic element</td>
<td>- (contact fix)</td>
</tr>
<tr>
<td>8</td>
<td>yellow</td>
<td>connection between electronic element and carbon brush (short wire)</td>
<td>- (contact fix)</td>
</tr>
<tr>
<td>9</td>
<td>yellow</td>
<td>connection between electronic element and carbon brush (long wire)</td>
<td>- (contact fix)</td>
</tr>
</tbody>
</table>
Mounting the carbon brushes

1 Insert the carbon brushes (4) into the carbon brush holders (6). Disengage the pressure springs (5) from the grooves on both sides and place them onto the carbon brushes (4) (if necessary, with aid of a screwdriver).

2 Insert two silicone stoppers (1) into the motor cap (2).

3 Fix the motor cap (2) with three screws (3) (K4x18) on the motor housing (M = 1.7 Nm).

Machines with SDS-Plus:

1 Mount the following parts:
   - pressure spring (6)
   - plate (5)
   - two balls (7) (insert it into the side of the spindle)
   - holding ring (4).

   The large diameter points towards the reception, to the front.

2 Mount the spring ring (2) (if necessary, use 2 screwdrivers for support).

Assembling the receiver

3 Mount the sleeve (3).

4 Mount the rubber cap (1).
Machines with FIXTEC:

Assembling the reception

1 Mount the following parts on the spindle (A):
   - spring ring (8)
   - plate (7)
   - pressure spring (6)
   - jumper ring (5)
   - insert six balls (9) into the spindle (A)

Grease the balls lightly before inserting them!
   For inserting the balls, keep the jumper ring (5) depressed!
   - sleeve (4)
   - spring ring (3).

2 Mount the O-ring (2) on the FIXTEC adapter (1).

Machines with FIXTEC:

Assembling the FIXTEC adapter

1 Depress the sleeve (9) and insert the FIXTEC adapter (A) into the spindle.

2 Mount the spring ring (4) and three silicone stoppers (3) in the set collar (2) (see top view setting sleeve).

3 Bring the machine into a vertical position.

4 Insert the ball (8) (Ø = 7 mm) into the FIXTEC adapter (A) and mount the spacer (6).

5 Insert the ball (7) (Ø = 5 mm) into the FIXTEC adapter (A) and mount the jumper ring (5).

6 Insert the locking ball (C) (Ø = 5 mm) into the FIXTEC adapter (A) and mount the setting sleeve (2).

The relief (B) in the setting sleeve (2) must be in the same position as the ball (C).
   The ball (C) can also be inserted into the relief (B) in the setting sleeve (2)!

7 Depress the setting sleeve (2) and mount the spring ring (1).
Assembling the mounter of the auxiliary handle

1. Mount the clip (1) and slightly bend it open (see arrows).
2. Insert the set screw (2) and mount the spacer (3).

Mounting the auxiliary handle

1. Put the washer (2) on the spacer (1) and screw down the auxiliary handle (3) in direction of arrow.
Mounting the QUIK-LOK cable

1. Insert the mains cable into the new crimping contacts (8) in accordance with regulations and make a correct crimp connection with aid of a crimping tool (see both illustrations of the crimp connection on the right).

Only a correct crimp connection can meet all mechanical and electrical requirements!

2. Insert the crimping contacts (8) with wires (6) into the sleeve.

3. Insert the plug halves (4) and (5) into the sleeve (6) on both sides and fix them with the screw (3).

Provide 3 mm wire for strain relief (see lower illustration)!

4. Insert the cable entry sleeve (7) and the assembled sleeve (6) into the plug (9).

5. Put together the two halves of the plug (2) and (9) and fasten them with the screw (1).

The screw (1) has a centrical pin (see enlargement). It can only be fastened with a Torx screwdriver with a respective centrical guide boring (A)!

This Torx screwdriver is part of the service tool kit. It is also available as service bit Lfb (order number 4931 599 085).

Test Run
Test run the machine and pay attention to noises.
Let the machine run-in.

Electrical Test
Perform an electrical test on the machine (see chapter Electrical and Mechanical Test Instructions).