



SERVICE INFORMATION

Repair Instructions CF 1





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Table of Contents

Illustration	3
Preface	4
1. Disassembly	5
2. Reassembly	11



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Preface

Before starting your repair work, carefully read these repair instructions. Carefully follow all instructions and always carry out the described operations in the indicated order.

The safety precautions prescribed for repair work must be followed in order to avert injury to persons and/or damage to material property.

For safety reasons, any modifications and retrofittings made on the soil compactor without the manufacturer's authorization are prohibited. Damage resulting from modifications or retrofittings is excluded from the manufacturer's liability. Only use genuine WEBER spare parts to ensure a safe and reliable operation.

Important information is highlighted by the pictograms explained in the following. Please strictly observe the information given in the repair instructions.



Indicates important information and hints which must be followed by the operator and service personnel.



Indicates working and operating methods requiring in addition the observance of all applicable environment protection and waste disposal regulations.

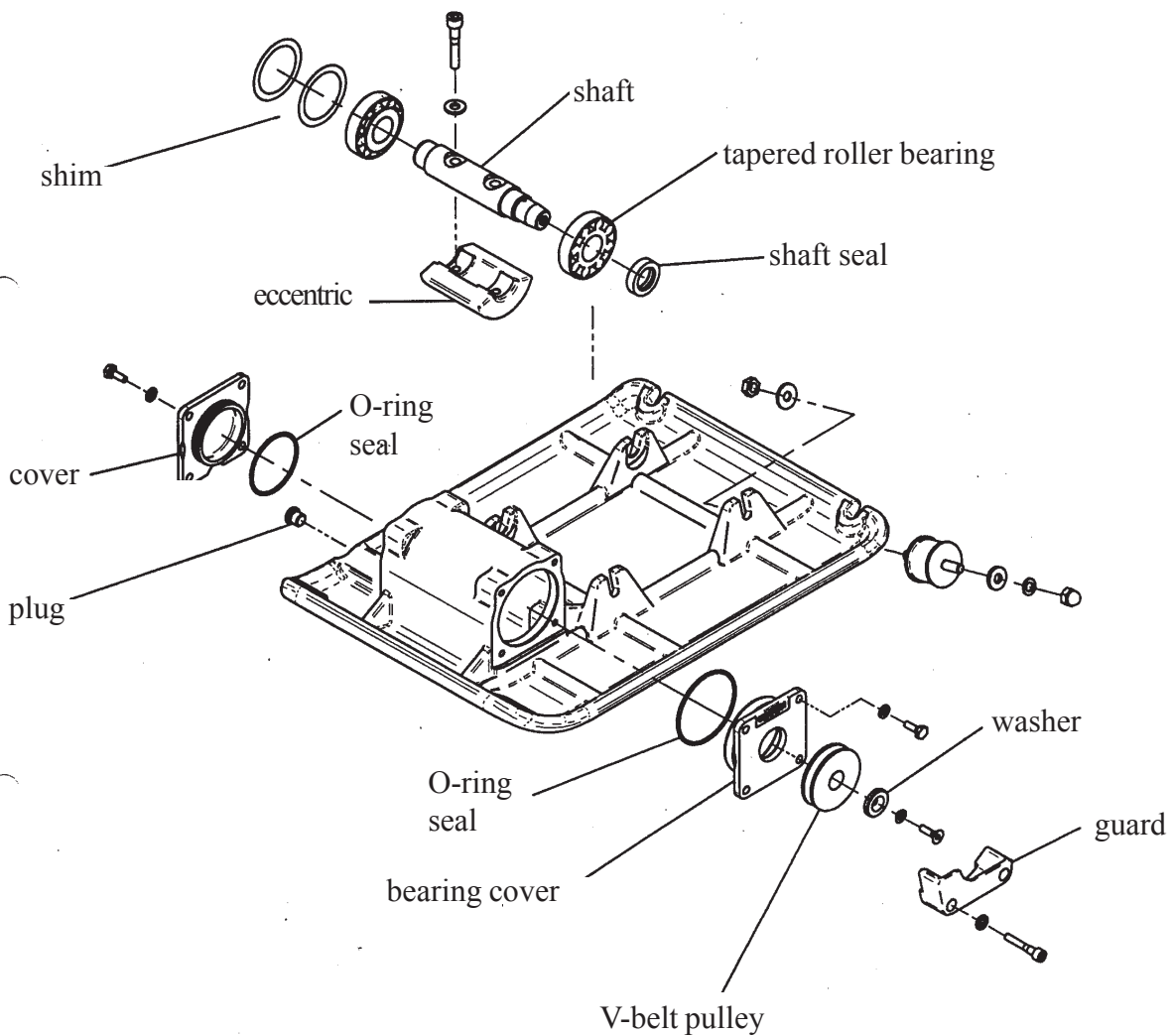


Indicates working and operating methods which must be precisely followed in order to prevent the soil compactor from being damaged or deteriorated.



Indicates working and operating methods which must be precisely followed in order to avert direct danger to persons.

Illustration



1. Disassembly

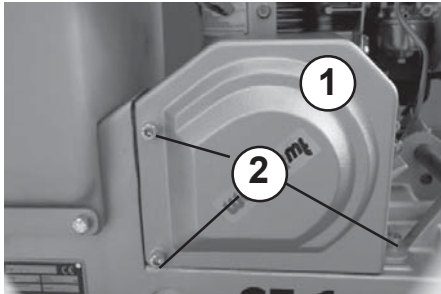


Figure 1

Undo the fastening screws (2) to remove the V-belt guard (1).

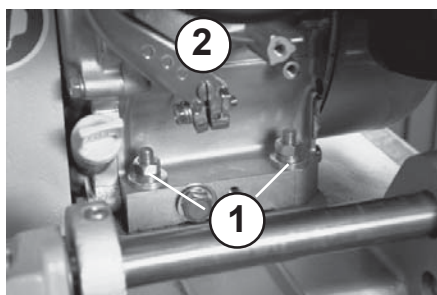


Figure 2

Undo the fastening screws (1) of the engine (2) and push the engine to the front.

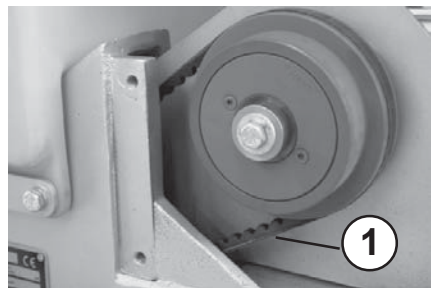


Figure 3

Remove the V-belt (1).

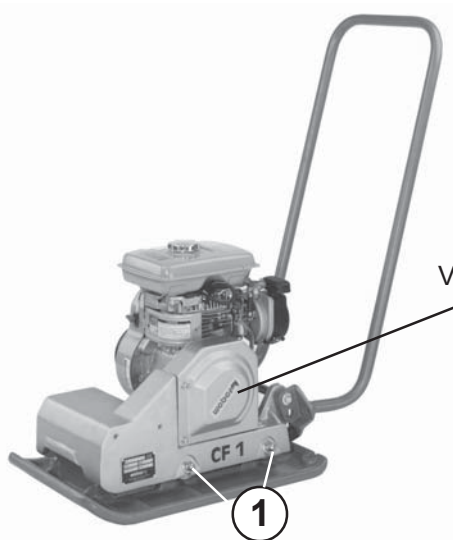


Figure 4

Undo the 4 fastening screws (1) of the engine bracket and take off the complete upper part.

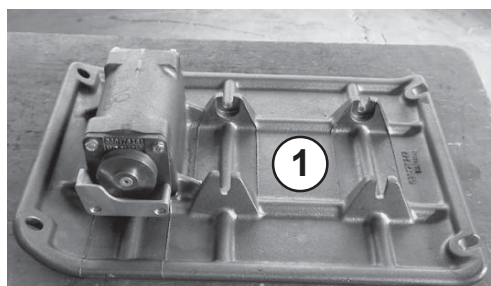


Figure 4 a

Put the base plate (1) with integrated vibrator (2) at an appropriate place.

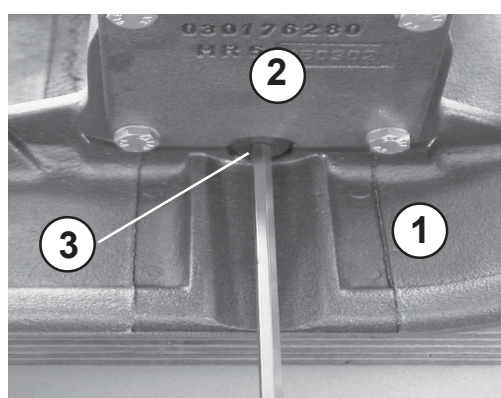


Figure 5

Slightly tilt the base plate (1) with integrated vibrator (2) and remove the oil drain screw (3).



Danger to the Environment!

Choose a drain pan having a sufficient capacity to catch all the used oil. Do not let used oil run into the soil. Dispose of the collected used oil in an environmentally-friendly manner (acc. to statutory pollution control regulations).

Wipe up any oil and dispose of the oil-soaked cloth in an environmentally-friendly manner.



Protect the base plate against slipping - risk of injury!

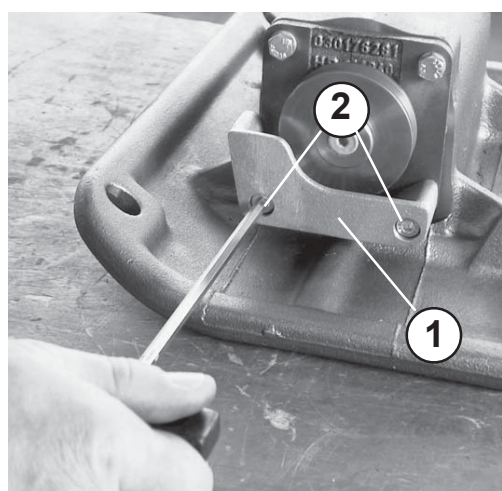


Figure 6

Undo the two fastening screws (2) and remove the V-belt guard (1).

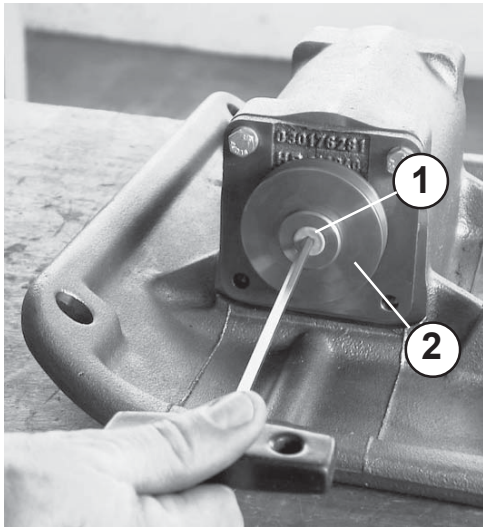


Figure 7

Remove the fastening screw (1) of the V-belt pulley (2).

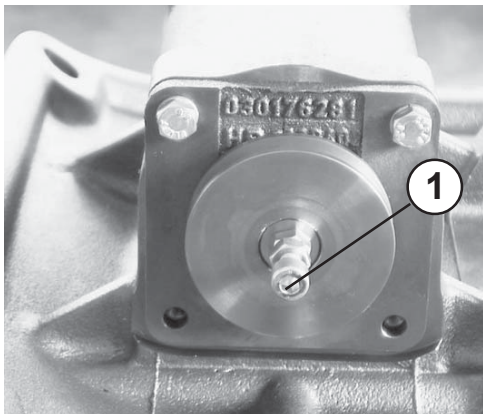


Figure 8

Screw a hexagon socket screw (1) in the eccentric shaft to protect the thread.

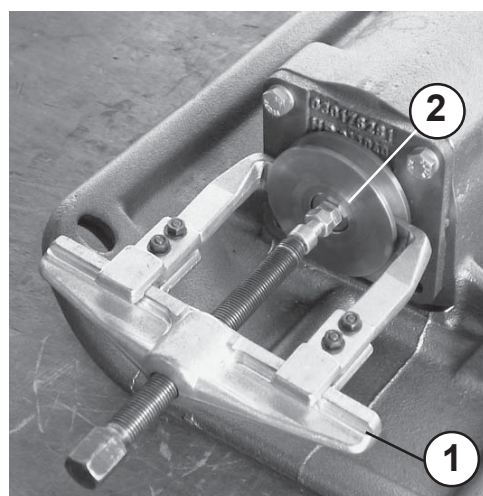


Figure 9

Put the extractor (1) between the two flanks of the V-belt pulley (2) and remove the V-belt pulley from the eccentric shaft by means of the extractor.



Take care that the extractor does not slip off the flanks - risk of injury!

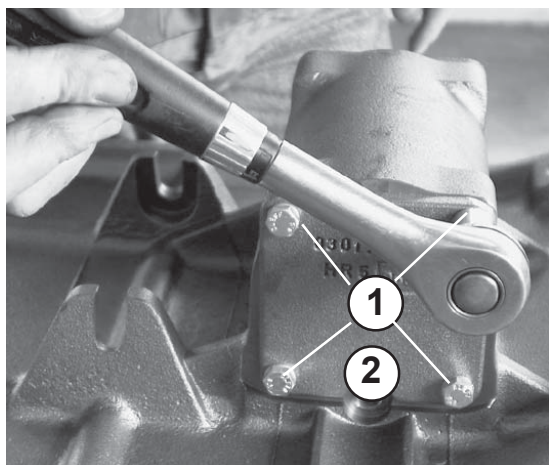


Figure 10

Remove the 4 fastening screws (1) of the housing cover (2).

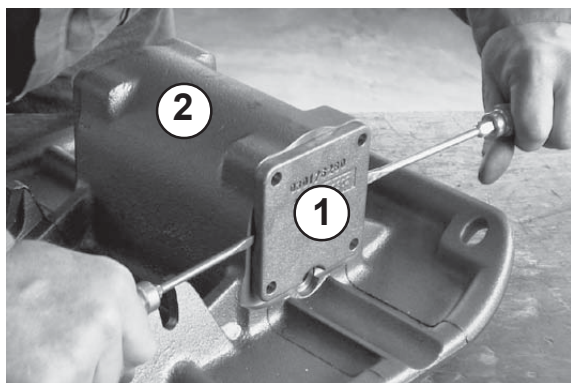


Figure 11

Use appropriate screw drivers or fitting levers and press the housing cover (1) from the vibrator housing.



Be careful not to damage the sealing surface.

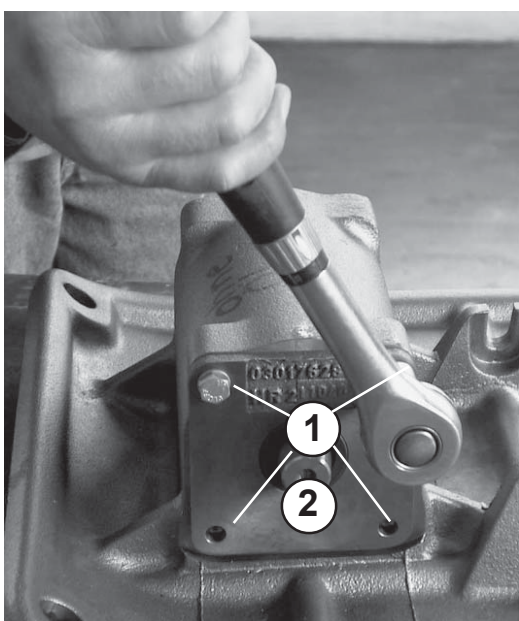


Figure 12

Remove the 4 fastening screws (1) of the housing cover (2).

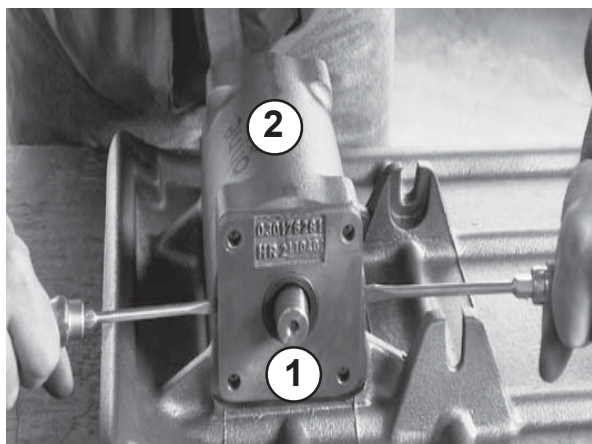


Figure 13

Use appropriate screw drivers or fitting levers to remove the housing cover (1) from the vibrator housing (2).

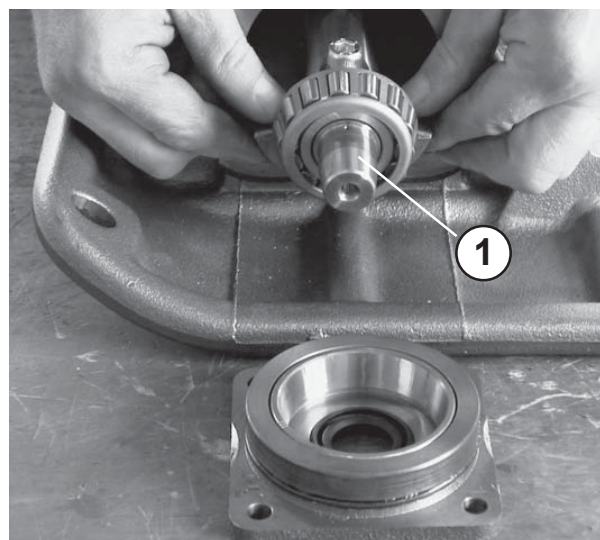


Figure 14

Take the eccentric (1) out of the vibrator housing.

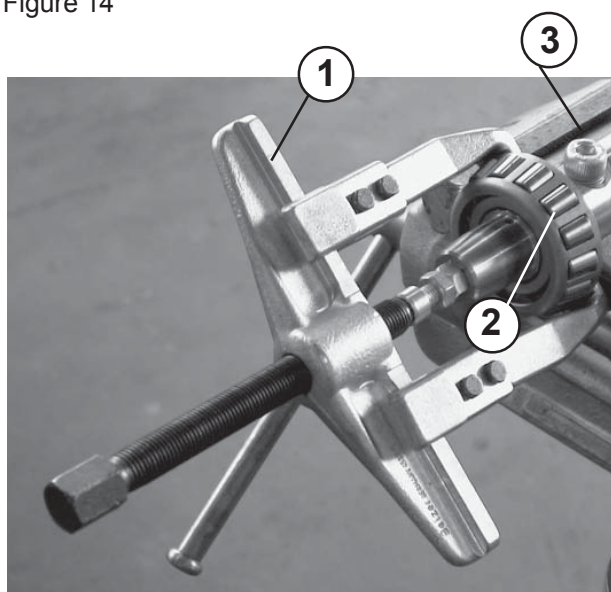




Figure 15

Clamp the eccentric (3) in a vise.

Put the extractor (1) against the bearing (2) and remove the bearing.

 At first, insert an appropriate screw to protect the female thread of the eccentric shaft.

 Take care that the extractor cannot slip - risk of injury!

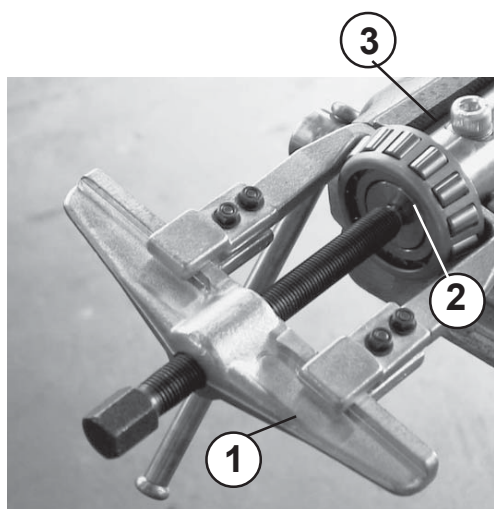


Figure 16

Clamp the eccentric in a vise (3).

Put the extractor (1) against the bearing (2) and remove the bearing.



Take care that the extractor cannot slip - risk of injury!

2. Reassembly

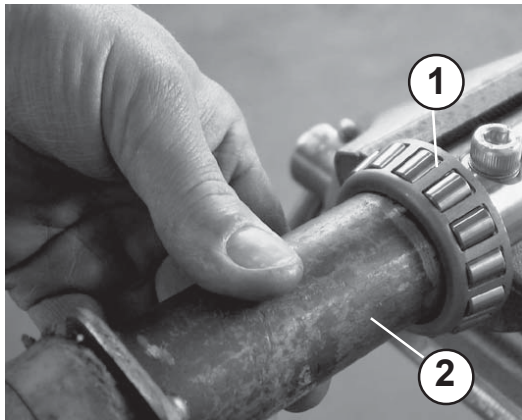


Figure 17

Clamp the eccentric shaft in a vise. Use an appropriate tool and carefully knock the bearing (1) onto the shaft.

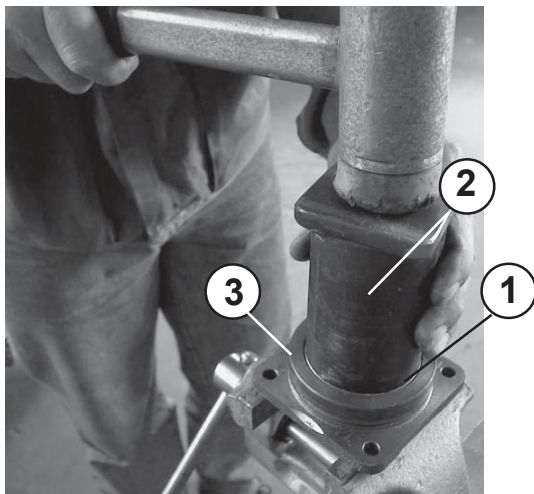


Figure 18

Use an appropriate tool (2) to drive the outer ring (1) of the bearing into the housing cover (3).

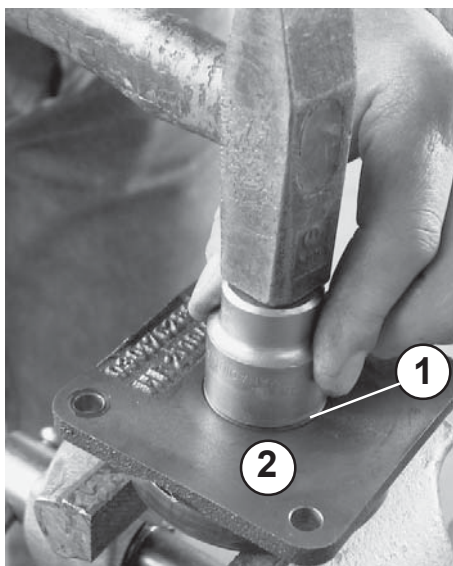


Figure 19

Fit the shaft seal (1) into the housing cover.

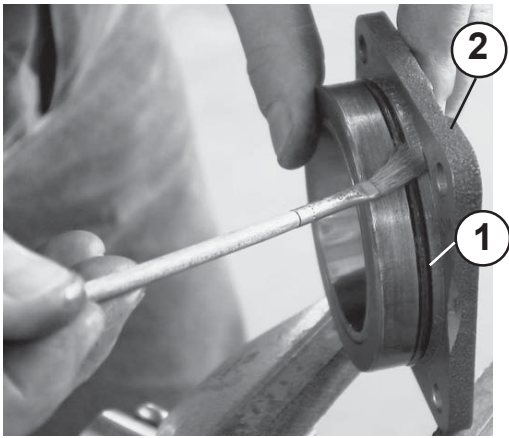


Figure 20

Apply grease onto the O-ring seal (1) of the housing cover (2).

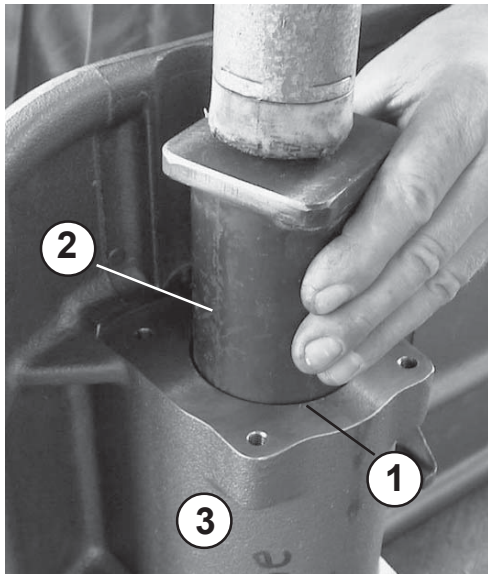


Figure 21

Use an appropriate tool (2) to drive the outer ring (1) of the bearing into the vibrator housing (3).

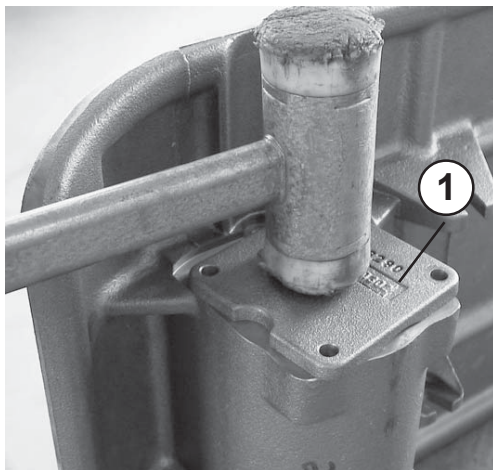


Figure 22

Fit the housing cover (1).

Repair Instructions CF 1

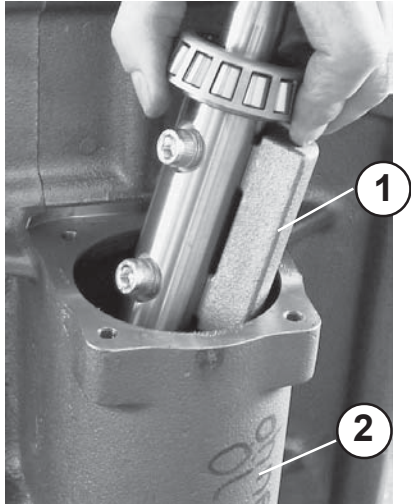


Figure 23

Put the eccentric (1) into the vibrator housing (2).

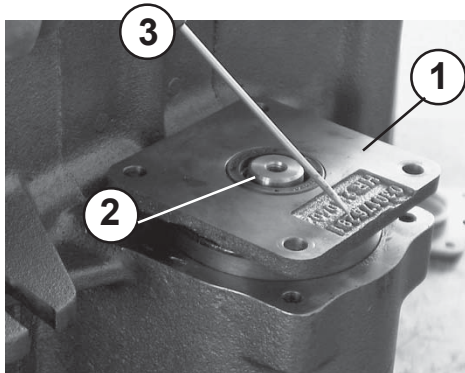


Figure 24

Put the housing cover (1) with the shaft seal (2) onto the vibrator housing.



The cast characters (3) must face upwards.

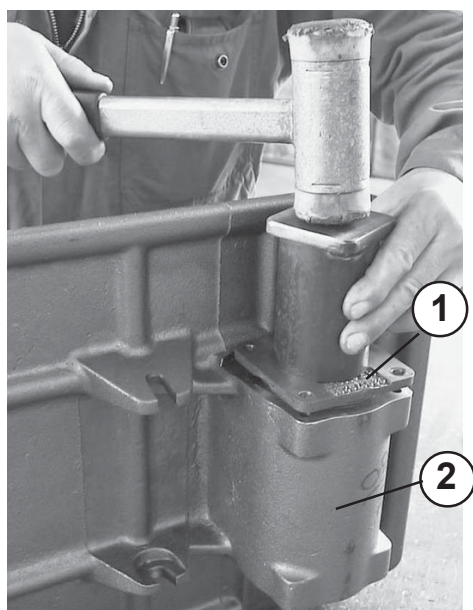
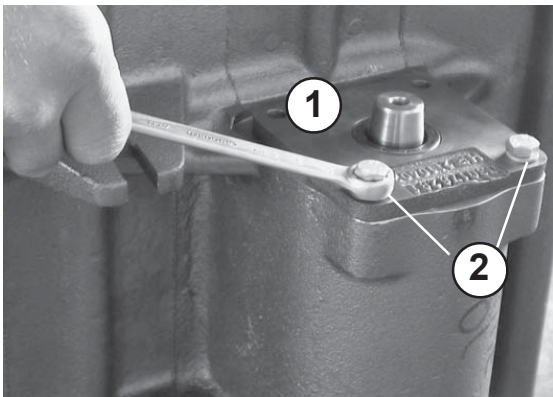


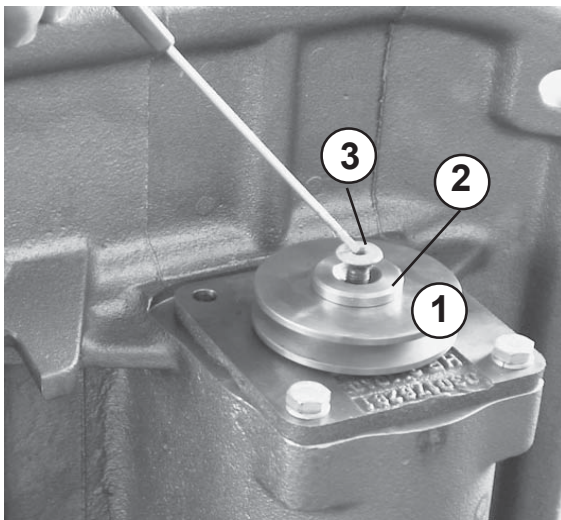
Figure 25

Use an appropriate tool to fit the housing cover (1) onto the vibrator housing (2).



Fasten the housing (1) with 2 screws (2) at the top.

Figure 26

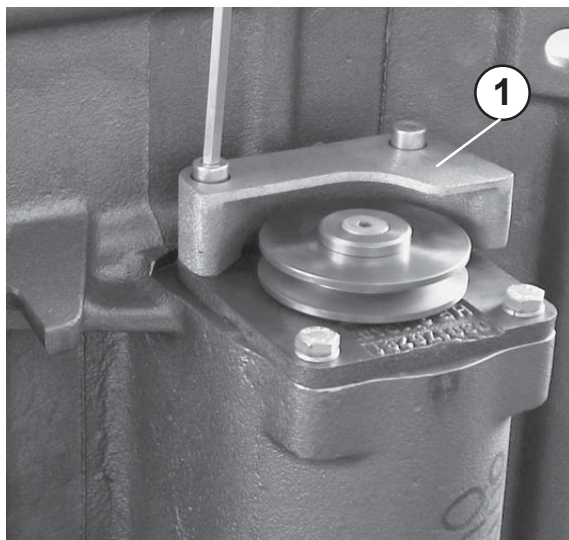


Fit the V-belt pulley (1) together with the retaining ring (2) and the fastening screw (3) onto the eccentric shaft.



The fastening screw (3) must feature a vent hole in order to ensure the pressure compensation in the vibrator housing.

Figure 27



Fit the V-belt guard (1).

Figure 28

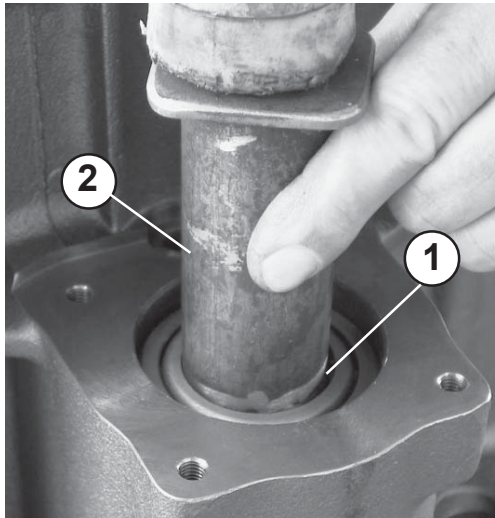


Figure 29

Use an appropriate tool (2) to fit the eccentric shaft (1) without play.

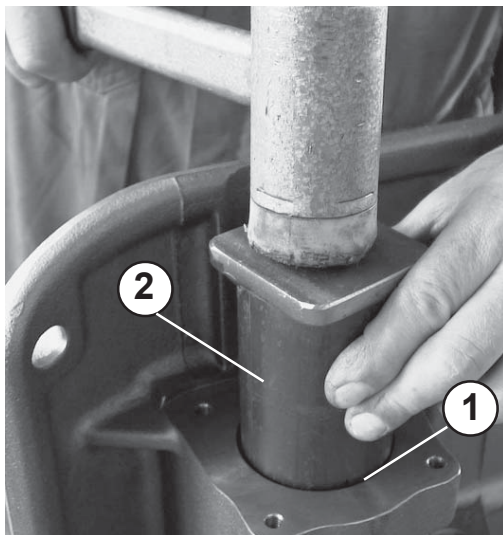


Figure 30

Use an appropriate tool to fit the bearing's outer ring (1) without play.

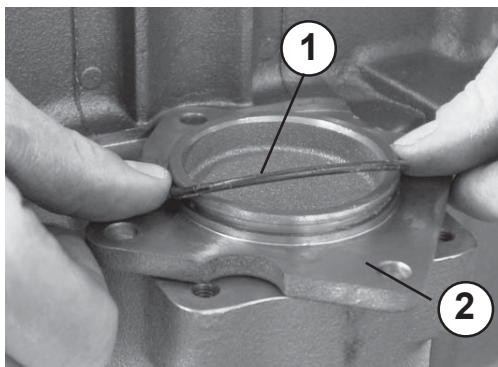
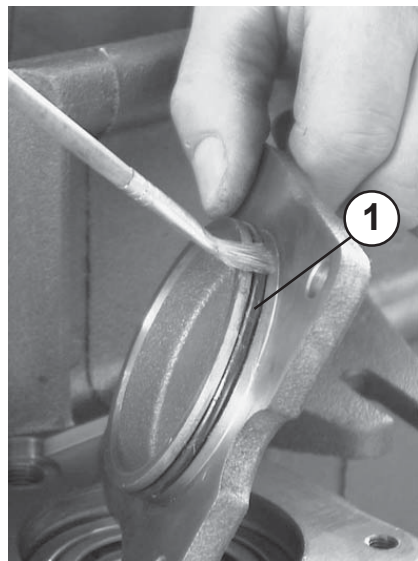


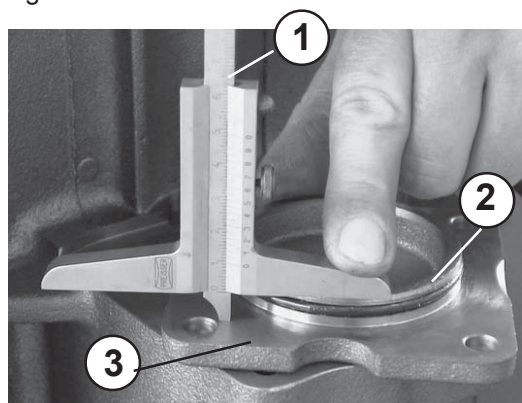
Figure 31

Fit the O-ring seal (1) onto the housing cover (2).



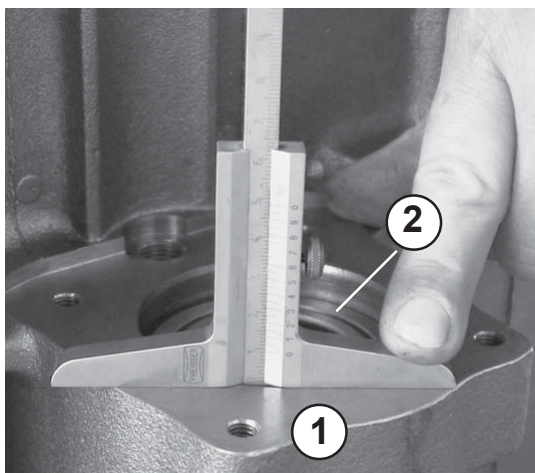
Spread the O-ring seal (1) with grease.

Figure 32



Use a depth slide gauge (1) to determine the distance between the cover's collar (2) and its upper surface (3).

Figure 33



Measure the depth between the housing (1) and the bearing outer ring (2).

Figure 34

Repair Instructions CF 1

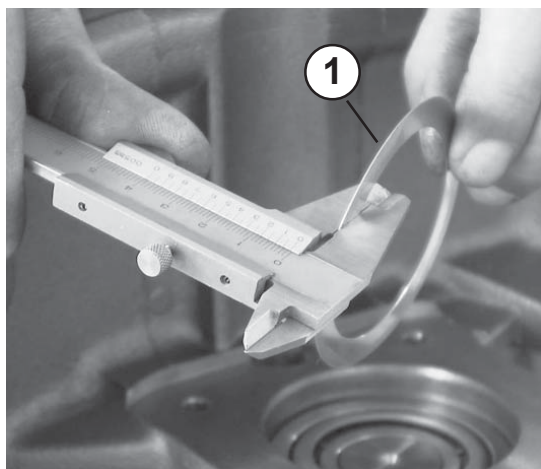



Figure 35

Adjust the axial play by means of the shim ring (1) .

 Axial play 0.45 mm.

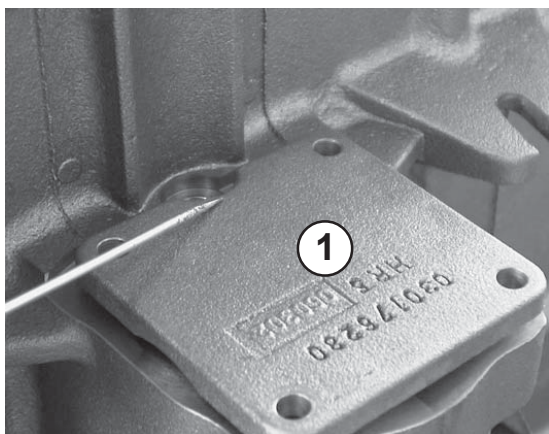



Figure 36

Fit the housing cover (1) .

 Characters faced upwards.

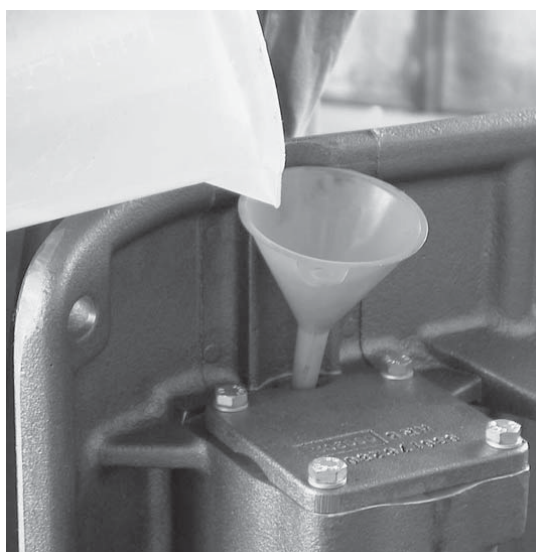



Figure 37

Top the system up with oil according to the operating instructions manual.

 Check to ensure that the contact surfaces of the oil filler/drain screw and of the vibrator housing are clean.



Danger to the environment!

Immediately wipe up any escaping oil, dispose of oil-soaked cloth in an environmentally-friendly matter.

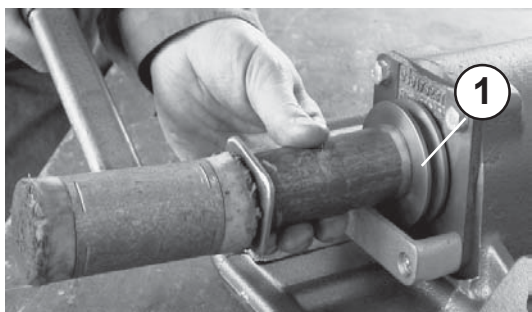


Figure 38

Slightly knock on the V-belt pulley (1) to drive in the eccentric shaft again.

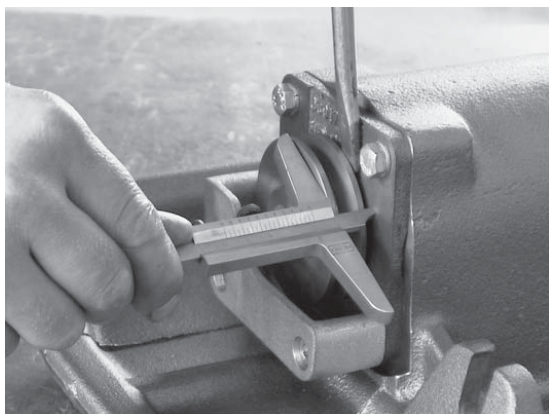


Figure 39

Check the axial play as shown.