

Euroheat Log Biomass boilers Chip Training Wood pellet Gasification PSZ Auger
Compact Gasification Wood burning Wood chip Herefordshire Cyclone Sustainable
Plumbing Flue Stoves Euroheat Vented Auger Building regs Euroheat Biomass
Energy Boiler Euroheat Domestic hot water Control software Vacuum transfer H2O
Manual feed Expansion Hydronic Euroheat Energy Biomass Wood chip
Temperature Heating circuit Support stand Draught stabilizer Pressure switch Chip

Dismantling & Replacement Instructions

TBZ 150 Feeding Auger

Feeding Auger and Bearings

IN1298

**Edition 1. Sept 2014
Updated 05/2019**

Introduction

The removal of the feeding auger and replacing the bearings of the chip/peller feeding assembly to the HDG Compact C25 to C200 boiler with a TBZ feed system is pictorially laid out in this manual.



Any work should only be undertaken by a suitably qualified engineer.

It is important that all safety procedures are followed and that the electrical supply to the boiler and feed system are turned off. See the safety notes on pages 5 and 6.

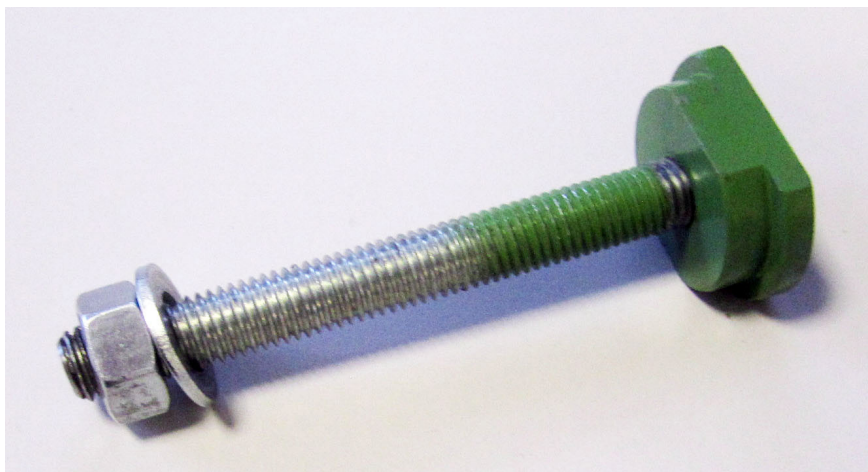
Tools Required

When removing the auger and bearings specialised tools are require.

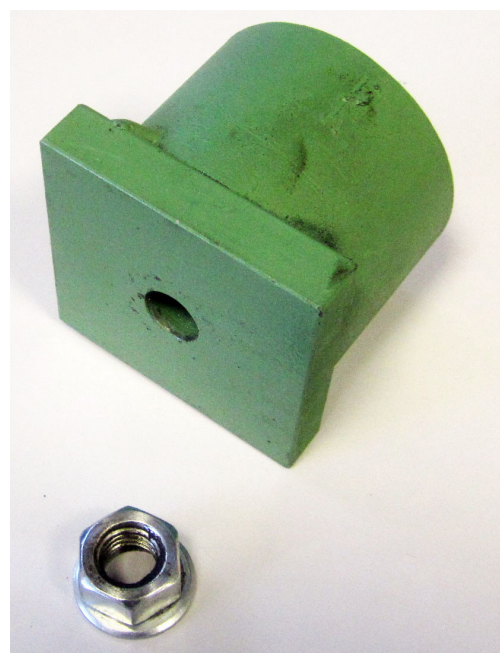
Tool A. Three leg puller to remove sprocket



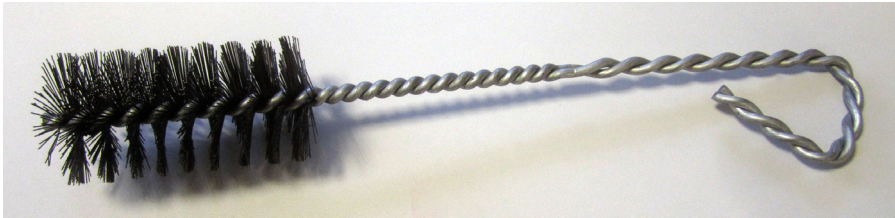
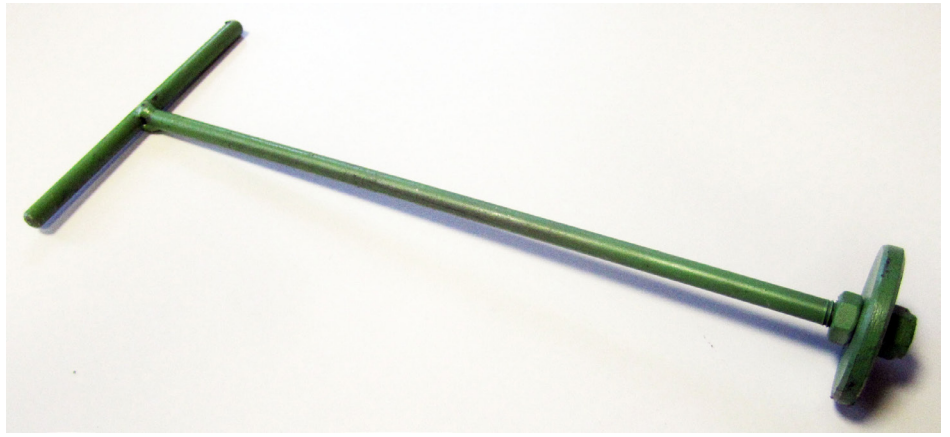
Tool B. Bearing puller and stud



Tool C. Bearing puller



Tool D. Cleaning tool and wire brush



Tool E. Bearing fitting tool showing a bearing and the bearing puller tool C



Safety

These instructions contain basic information which must be adhered to during maintenance and operation. For this reason, these instructions must, without fail, be read by the service technician and the responsible operator before maintenance and operation.

It is not only the general safety instructions listed under the main point "safety" that must be adhered to but also the special safety instructions with danger symbols included under the following main points.

Symbols:

General danger symbol



Danger due to electrical voltage



Signal words:

DANGER!

Acutely dangerous situation.

Non-observance results in death or the most serious of injuries.

WARNING!

The user can suffer (serious) injuries. 'Warning' implies that (serious) injury to persons is probable if this information is disregarded.

CAUTION!

There is a risk of damage to the product/unit. 'Caution' implies that damage to the product is likely if this information is disregarded.

NOTE: Useful information on handling the product. It draws attention to possible problems.

Personnel qualifications

The installation, maintenance and repair personnel must have the necessary qualifications for this work.

Danger in the event of non-observance of the safety instructions

Non-observance of the safety instructions can result in risk of injury to persons and damage to product/unit. Non-observance of the safety instructions can result in the loss of any claims to damages.

In detail, non-observance can, for example, result in the following risks:

- Failure of important product/unit functions
- Failure of required maintenance and repair procedures
- Danger to persons from electrical, mechanical and bacteriological influences
- Property damage

Safety instructions

The existing directives for accident prevention must be adhered to.

Danger from electrical current must be eliminated. Local directives or general directives and those of local power supply companies must be adhered to.

This device is not intended to be operated or maintained by persons (including children) with impaired physical, sensory or mental capacities or lack of experience and/or lack of knowledge, except in cases where they are supervised by a person responsible for their safety or where they receive instructions from such a person as to how the device is to be maintained and operated.

Children must be kept under supervision in order to ensure that they do not play with the device.

Safety instructions

The operator must ensure that all inspection and maintenance work is carried out by authorised and qualified personnel. Work on the product/unit should only be carried out when it has been brought to a standstill. It is mandatory that the procedure described in the installation and operating instructions for shutting down the product/unit be complied with.

Un-authorised modification and manufacture of spare parts

Modifications to the product are only permissible after consultation with the manufacturer. Original spare parts and accessories authorised by the manufacturer ensure safety. The use of other parts can nullify the liability from the results of their usage.

Improper use

The operating reliability of the supplied product is only guaranteed if the product is used as intended in accordance with the operating instructions.

DANGER!

Risk of injury and material damage!

Installation and electrical connection

Installation and electrical connection must be carried out in accordance with local regulations and only by qualified personnel.

Warning

Risk of personal injury.

The existing directives for accident prevention must be adhered to.



Warning

Risk of fatal electrical shock.

Danger from electrical current must be eliminated. Local directives or general directives and those of local power supply companies must be adhered to.

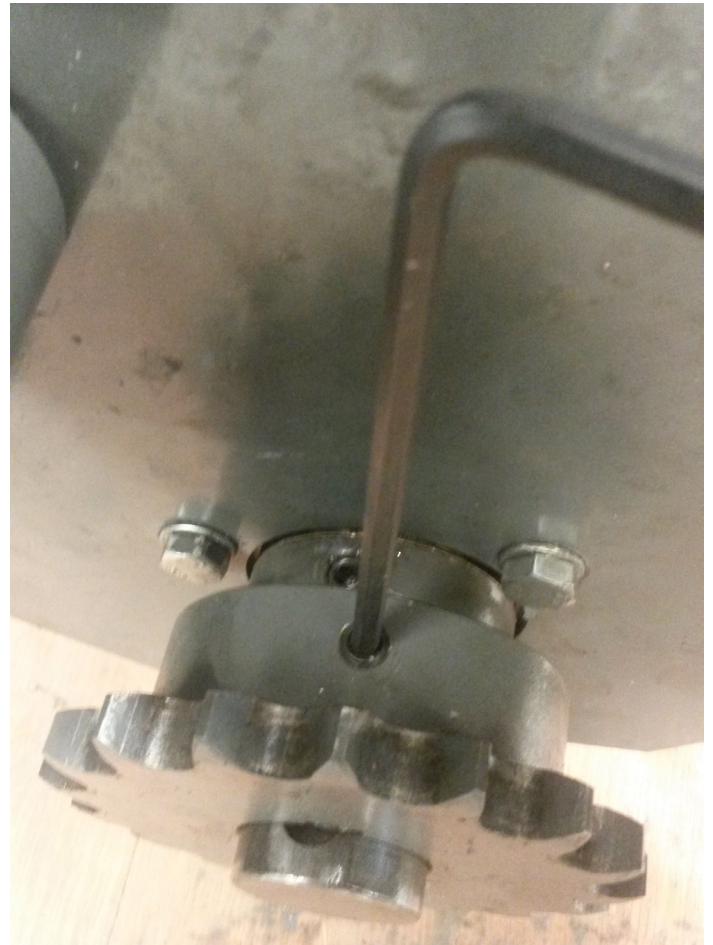


To Dismantle

Remove the cover plate of the gearbox. Remove the drive chain from the motor and sprockets by removing the split link in the chain. Put this somewhere safely so it does not get misplaced.



Remove the grub screw from the lower sprocket.



Remove the sprocket using tool A, three leg puller.

Remove the woodruff key



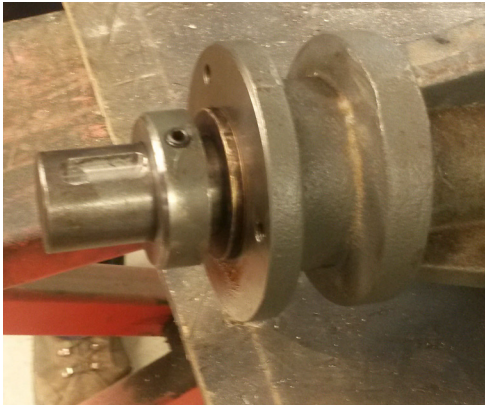
Remove the three 8mm bolts holding the auger casing.

Remove the four bolts holding the...

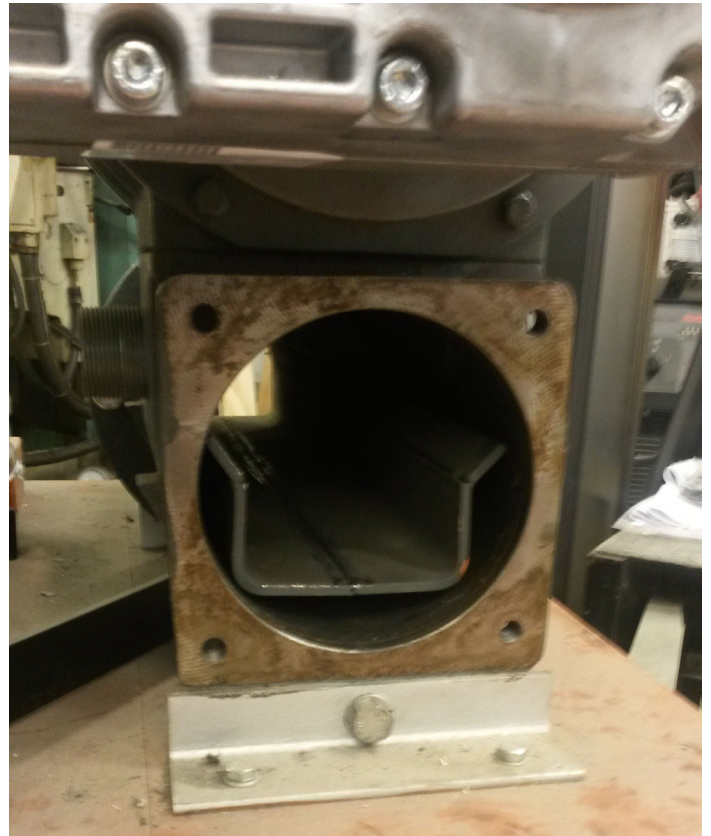


The auger can now be removed.

Then remove the locking ring.



Pull the shaft out of the housing.



Leave grease and packing in the housing.



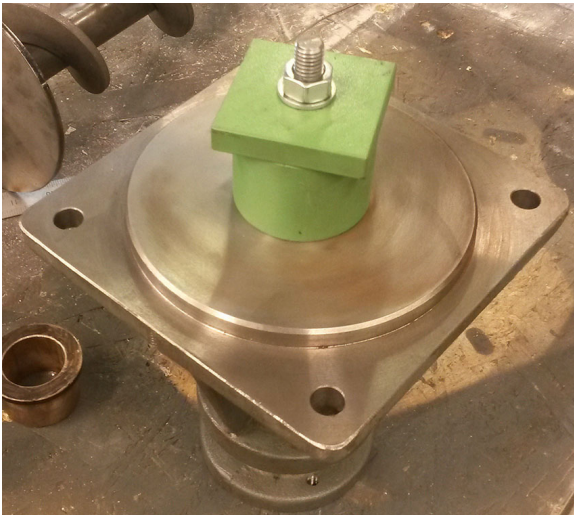
Insert part of the puller B using a wire hook.



Then screw the stud in.



Attach part C of the puller to the stud.



on the housing.



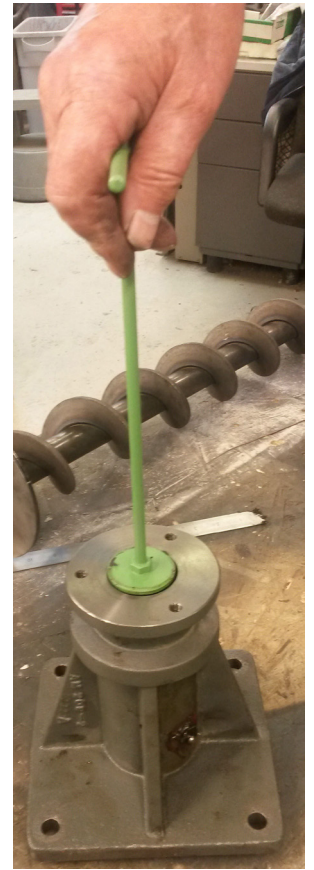
Clean out the grease from the housing using tool D

and a wire brush.



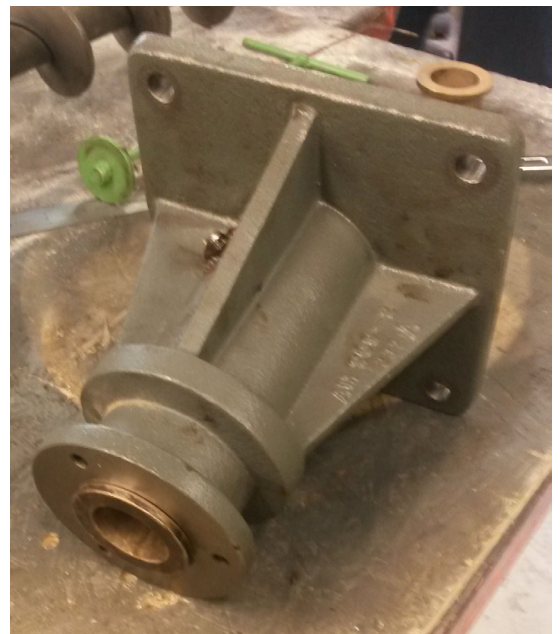
To Reassemble

Slide new the bush onto tool E and insert it into the housing.



Slide the other bush on the other end and put the puller housing C over the top.

Tightening the bolt will then pull the bushes into either end of the housing.



Lubricate the auger shaft and slide it back into the housing.



Fit the locking ring back on and tighten the grub screw.

