

Important notes for users of SWWF - TP200 wood chipper

1/ Please read the chipper instruction manual before connecting and using the machine. If this has not been given to you previously by SWWF, please ask for a copy.

2/ Connection to tractor and removal from the trailer:

UNDER NO CIRCUMSTANCES should this be done with the PTO drive-shaft fitted. Lowering the chipper to the ground with a driveshaft that is too long will cause damage to the chipper's gearbox. This is a £600 item!!!

3/ Open the cover and fit the knives according to the instruction manual, making sure that all mating faces are free from debris. Do not use adjustable spanners or other inappropriate tools.

Tools required:

- 19mm spanner or socket (preferably wall-drive) - Cover
- 18mm spanner or socket (preferably wall-drive) - Knives
- 8mm Allen Key – Knives
- scribe or v-small screwdriver – to clean out debris from Allen screw heads.
- 13mm spanners (2 off) – to remove & refit chip-spout and extension.
- 24mm socket (preferably wall-drive) – horizontal static anvil.

Resetting of the clearance between the knives and the static anvils should not be necessary under normal circumstances. However, if deemed necessary this should be communicated to SWWF as it could indicate a fault.

If there are any concerns about the condition of the machine, these should be noted on the log book pro-forma and if serious, should be communicated to SWWF.

4/ With the chipper resting on level ground and all three points of the linkage connected, trial fit the drive-shaft.

- The overlap of the two drive-shaft halves should be no less than 20cm.
- In the lowered position the two sliding parts of the drive-shaft must not be in contact / compressed (> 1cm running clearance advised)
- If necessary use the drive-shaft adaptor to achieve the above requirements. DO NOT cut drive-shaft without consulting SWWF as this effects other users. Be aware that if using the adaptor, the drive must be taken up very gently when activating the PTO to avoid damage.
- The freewheel device is fitted at the Chipper end.
- The 4 grease points of the PTO drive-shaft should be greased every **8 hours** of running.

5/ Fitting of the spout extension is done by first removing the chip-spout by undoing the 1 horizontal m8 bolt and vertical m10 locking bolt. Fit the extension using 2 off m8 bolts at one end and the standard fixings at the other. With the spout extension fitted the machine is 3.6m high and can therefore blow chip over an obstacle of about 3.3m. Without the extension the height is 2.4m and can therefore blow over 2.1m

6/ Ensure the switch on the stress control (grey box) is off (UP). Next connect the power supply for the stress control either to the tractor socket or to the battery using the adaptor cable. If using the adaptor please be absolutely sure to use the **CORRECT POLARITY** (crocodile clips are marked). If using the 'trailer' socket on your tractor you must switch the tractor sidelights on for the chipper to receive any power. Switch stress control unit on (DOWN).

After settling, the display should now alternate between **[th]** and a number. Please note this in the log book as the 'total hours' prior to start of work. The PTO drive can now be very carefully engaged and the engine speed increased steadily until the chipper running speed of 1000rpm is achieved – as displayed on the screen of the control box.

You are required to run with the stress control switched on as a condition of use. This is to protect your tractor as well as the chipper. In the event of damage attributable to not using the stress control, the user will be totally liable.

If the running speed is not indicated on the screen then fully check connections. Try restarting from the beginning of section 6. If problem persists then this should be noted and SWWF consulted.

7/ When operating, please adhere to safety advice in manufacturers handbook. Obviously it is vital that **NO METAL OR STONE** materials (eg. fencing staples) are permitted to enter the machine and soil covered wood should be avoided. This is in the interests of good quality chip but most importantly, machine survival. Your blade sharpening frequency will dramatically increase if these materials are encountered.

8/ Feel free to alter the feed-roller speed, but be aware that this alters the chip size.

9/ Please fill in ALL sections of the log book pro forma for your period of hire with as much detail as possible. We are trying to assemble data on time taken to chip different types of material with different numbers of operators and all information is useful. Also in the event of a problem with the machine it is important to have full documentary evidence to work out what went wrong in order to avoid repeating mistakes.

10/ After use:

With machine rotor stationary, remove the drive-shaft. Remove your knives (clean the dust out of the sockets of each Allen bolt using a small screw driver before attempting to use the Allen key).

11/ Inspect the machine internally for any signs of damage or problems. These should be noted, and if appropriate SWWF should be informed.

12/ It is useful for each user to keep a note of the chipping hours before the blades require sharpening and what material types and quantities were chipped during that period. This helps to plan when to sharpen blades so that you are not caught with the chipper on hire but no blades.