



TW150VTR & TW190TFTR SAFETY INFORMATION AND BASIC OPERATING INSTRUCTIONS

Safety instructions

1. Before using this chipper, take time to read this safety and user's guide completely. **Misuse of this equipment can cause personal injury, equipment damage, damage to property and bodily injury.**
2. Familiarise yourself with the machine prior to use.
3. Do not attempt to start or use this machine if it is damaged. Contact the hire outlet before proceeding.
4. Do not allow minors, or anyone who is unwell or under the influence of drugs or alcohol to use this machine.
5. Diesel fuel is flammable. Do not smoke when operating or refuelling.
6. This chipper is designed to chip solid wood material up to 150mm in diameter (150VTR model) or 190mm (190TFTR model). Do not feed larger wood or other foreign material into the chipper.
7. Wear appropriate personal protective equipment (PPE). This includes face and eye protection and work gloves with snug cuffs. Noise levels above 85dB(A) will be experienced at the working position. Wear ear protection in compliance with EN352, with a SNR of 15dB or above. The use of a face mask is recommended if working conditions require. Do not wear loose clothing, jewellery or anything that could create a snag hazard.
8. Maintain a safety-exclusion zone around the chipper of at least 10 metres. Stop operations and turn off machine if unauthorised or unprotected individuals breach this zone.
9. Be aware that the chipper can eject chips out of the feed chute with considerable force. Always wear full head and face protection.
10. Only use this chipper in a well-ventilated area.

(Guaranteed Sound Power 119dB (A)).

Understanding the "No Stress" system...

The "No Stress" system controls the feed rate of the material going into the chipping chamber. Engine speeds will vary depending on the chipper's workload. If the engine speed falls below the predetermined level, the No Stress system stops the feed rollers until the engine speed rises, at which point the feed rollers will start turning without warning, and feeding will recommence.

Understanding the "Crawler Track Controls"...

WARNING...

NEVER LEAVE CHIPPER ON A SLOPE UNATTENDED

The chipper is designed to operate in either chipping or tracking mode, but not both at the same time. The cutting disc will rotate regardless of what mode is selected, but the infeed rollers will only operate when 'chip' is selected.

CHIPPING MODE - Power is available to the feed rollers. The cutting disc is rotating but the chipper is stationary.

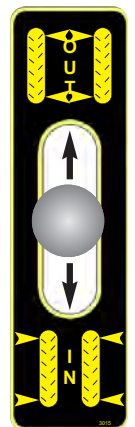
TRACK MODE - Power is available to the crawler tracks. The cutting disc is rotating but the infeed rollers are stationary.

The mode selector handle is clearly marked on the tracking control panel.



The track driving handles are to the right on the tracking control panel marked with arrows. The left handle is for the left track and the right one for the right track. They are spring loaded to the stop position, and proportional. The more you push the handles, the faster the chipper moves to a maximum of a walking pace.

VARIABLE-WIDTH TRACKS - if the chipper is fitted with variable tracks, the adjustment control handle is on the front of the track control tower marked with a pictogram. It is spring loaded to the middle or "NO MOVEMENT", so when you let go of the handle the width movement will stop. **To adjust the width of the tracks, you must ensure the "mode" selector is in "CHIP" first, then move the handle in the desired direction.**



Understanding the "Roller Control Box" functions...

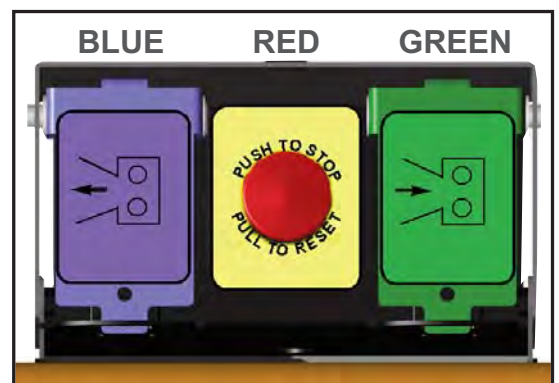
The roller control box is located on top of the feed funnel. It controls the feed rollers that draw material into the chipping chamber. **It does not control the main rotor.**

GREEN BUTTON - Forward (IN) feed - Push the button once - this starts the rollers and allows you to start chipping (as long as the engine speed is high enough - see 'No Stress').

RED BUTTON - Stop feed/emergency stop - This button stops the rollers from feeding. It overrides all other buttons or bars, and will not allow the other buttons to function until it has been reset. To reset, pull it out fully. The forward and reverse buttons will now function. The red stop button does **not** stop the engine or the rotor.

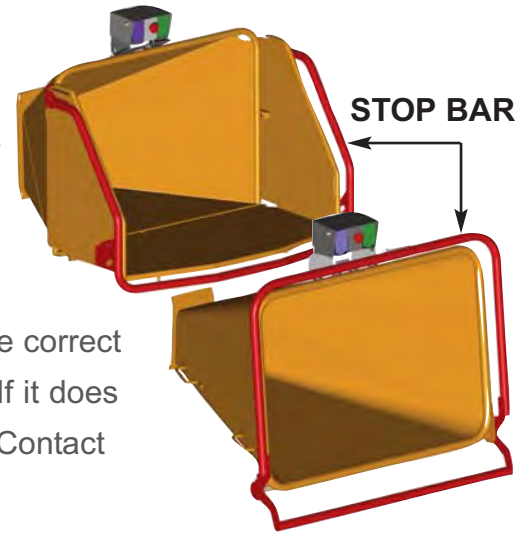
BLUE BUTTON - Reverse (OUT) feed - Push and hold - this allows you to back material out of the rollers while the button is pushed. You do not have to press the red stop bar or button before pressing the GREEN FEED button to recommence feeding.

NOTE: It is important to check the correct function of the control box buttons before attempting to chip material. If any of the controls do not function as described above, DO NOT USE the chipper. Contact the hire centre.



Understanding the "Safety STOP bar" function...

This is the large red bar that surrounds the opening of the feed funnel. The bar is spring loaded and connected to a switch that interrupts the power to the feed rollers. The switch and bar are designed so that the switch is only activated if the bar is pushed (pushed or pulled on top or sides on low funnel models) to the limit of its travel. The bar does not need to be held there to stop the rollers. The feed rollers stop instantly, but can be made to turn again by pressing either the GREEN FEED or BLUE REVERSE control buttons. **NOTE:** It is important to check the correct function of the safety bar before attempting to chip material. If it does not function as described above, DO NOT USE the chipper. Contact the hire centre.



Before starting...

- Ensure that the exclusion zone is well marked. The use of hazard tape is highly recommended.
- Locate the machine on firm, level ground. Use prop stand if fitted.
- Make sure that all guards are in place.
- Check all fluids are within operating range. Contact hire outlet if servicing is required.
- Check the fuel level. Only clean, uncontaminated, diesel fuel must be used.
- Check the infeed chute and clear it of any objects.
- Adjust the discharge deflector to a safe direction.
- Wear appropriate safety gear (PPE).
- Clear the working area of unauthorised/unprotected personnel.

Starting the engine...

1. Ensure throttle lever is in "SLOW" position.
2. Insert key. Turn to "HEAT". LED comes on, wait for LED to go out.
3. Turn to start until engine fires.
4. Release key.



Do not engage starter motor for more than 20 seconds - allow one minute before attempting to start. Investigate reasons for failure to start.

When the emergency stop button is pressed it must be pulled out again and the ignition switch turned off to reset the machine before attempting to restart.

Stopping the engine...

1. Reduce the throttle to idle.
2. Leave the engine to run for 1 full minute.
3. Switch the key to the "OFF" position.
4. Remove ignition key.

Chipping wood...

- Maximum diameter wood to be chipped in the TW 150VTR is 150mm.
- Maximum diameter wood to be chipped in the TW 190TFTR is 190mm.
- Increase throttle to full. Never attempt to chip without throttle in full.
- **BE AWARE...** awkward shaped wood being chipped can thrash from side to side in the funnel with great force. Stand clear of wood extending from the funnel.
- Load wood from either side of funnel opening avoiding the middle as much as possible.
- Load wood butt end first.
- Trim badly twisted brush before attempting to feed it into the chipper.
- **NEVER REACH IN TO** the funnel while the chipper is running, use a push stick suitable for the job.
- Always observe the discharge for exiting wood chippings. REMEMBER... what goes in must come out. If there are no chippings exiting the discharge while chipping wood, a blockage has occurred. You must stop the chipping operation, turn off the machine and clear the blockage. (see "Clearing blockages" below.)

Clearing Blockages...

1. Stop the engine and remove ignition key. Wait for engine to run down.
2. Remove discharge tube by unscrewing clamp with fitted handle only. Check and clear if necessary.
3. Wearing gloves, reach into the rotor housing and scoop out the majority of any debris causing the blockage. **WARNING...** never reach into the rotor housing with unprotected hands. There are sharp blades inside, and any small movement of the rotor can cause serious injury.
4. Replace discharge tube.
5. Restart engine and increase to full throttle.
6. Allow sufficient time for machine to clear excess chips before commencing work.

Never attempt to carry on chipping once a blockage is identified. Carrying on chipping in this instance will compact chips in the rotor housing and will become very difficult to clear.

NOTE:

- The machine must be returned in a clean condition. Cleaning is chargeable at the hire outlet.
- Any damage to the machine is chargeable.

Dealer Stamp

Dealer Stamp
