

PLEASE READ THIS INSTALLATION GUIDE THOROUGHLY BEFORE COMMENCING

TRACTOR REQUIREMENTS

Electrical fittings: 12V Female Cobo socket connector (in cab)

Oil flow: An oil flow of 60 litres per min (13.3 gallons per min) is required to achieve maximum performance.

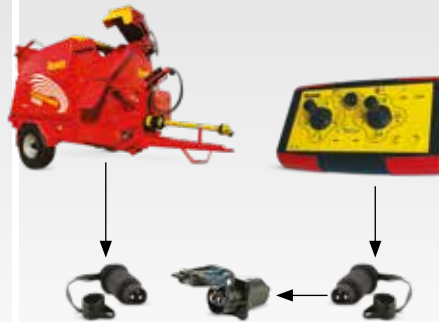
Oil flows in excess of 60 litres/min will result in overheating.

1 FITTING THE MACHINE TO THE TRACTOR

Attach the Tomahawk drawbar and PTO shaft to the tractor. Connect the supply and return hydraulic hoses, ensuring the direction of flow is correct.

The control desk is supplied with a suction cup attachment. This should be fitted in the cab in a suitable position that is convenient to the operator on a smooth, clean, dust free surface. (i.e. the window.)


2 ELECTRICAL CONNECTIONS TO THE CONTROL SYSTEM



To tractor in-cab 12V supply



- Connect the control desk power supply lead into the 12V female Cobo socket in the tractor cab.
- Connect the Tomahawk power supply lead to the 12V female Cobo socket on the flying lead connected to the control desk.
- If in doubt, listen for a “click” from the junction box under the cover at the front of the Tomahawk, which tells you it has power.
- If the supply cable is connected with the wrong polarity the control box will not switch on.

1 THE BLUETOOTH CONNECTION


Once the Bluetooth light  has stopped flashing and is illuminated you are ready to proceed. If it does not stop flashing then it has failed to make a connection and the control desk will not turn on.





PAIRING A CONTROL DESK TO A MACHINE

Should the control desk fail to connect to the machine, then press the “ON” and “OFF” buttons  &  together for 2 seconds. This will make the control desk search for the Bluetooth signal from the Tomahawk.


COMMISSIONING

With the bale chamber empty, engage the PTO at low revs, then increase to normal working speed (540rpm) and start the oil flow to the Tomahawk. Press the “power on” button when the Bluetooth light  is illuminated. Check chute rotation, deflector and tailgate functions work.

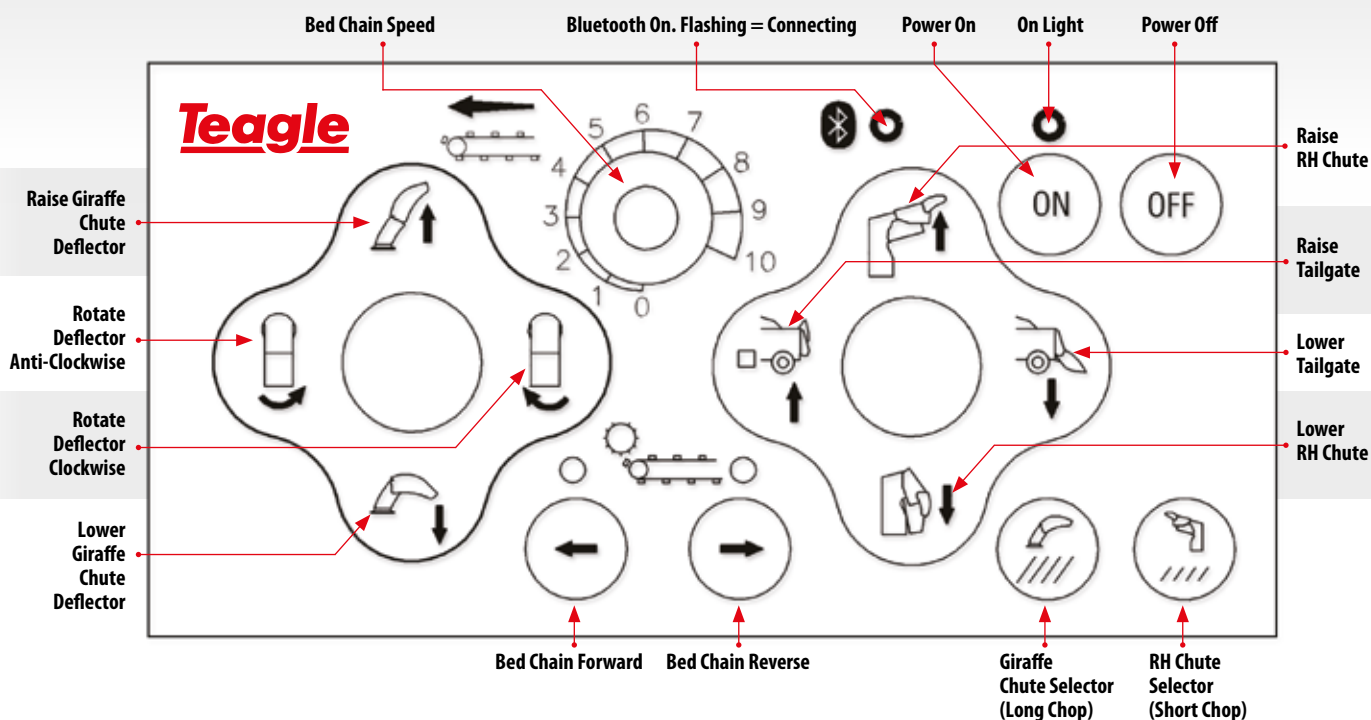
BED CHAIN

Press the forward button  to start the bed chain. If the bed chain is set to ‘0’ the bed should be stationary. The bed can be stopped by either pressing the forward or reverse button . You can reverse the bed chain by holding the reverse button down.

BED CHAIN SPEED

The bed chain speed can be adjusted by turning the dial  from ‘0’ to ‘10’. If the bed is rotating when the dial is set to ‘0’, then you need to re-calibrate the bed speed. See over page for details.

RE-CALIBRATING THE BED SPEED



PROGRAMING THE ELECTRONIC CONTROLS TO YOUR TRACTOR




Each tractor has different flow rates from its hydraulic system. The electronic controls are programmable to optimise the performance of the machine depending on the oil flow that the tractor can deliver.

The following instructions will allow you to programme the stop position (0) and high speed position (10) of the bed speed dial. This process will allow maximum bed speed without compromising the other services the valve block can provide.

TO PERFORM THIS OPERATION THE FOLLOWING STEPS MUST BE FOLLOWED EXACTLY

- 1 Turn on the tractor and engage the hydraulic systems.
- 2 Set the tractor revs to a normal working RPM.
- 3 With the control box off turn the bed speed dial down to 0.5.
- 4 The following buttons must then be pressed & held down in this order;

- I) **BED FORWARD**
- II) **LONG CHOP**
- III) **ON**

- 5 Hold the sequence of buttons for 8 seconds until both the bed forward, and on LED's illuminate.
- 6 Release buttons and the LED's should flash alternately.
- 7 Using the Long Chop  Button to slow down, and the Short Chop  Button to speed up, slow the bed down to the point where it just stops.
- 8 Press the Off button  to save the slow speed.

You have now programed the electronic controls for its minimum bed speed.

To programme the control desk for its Maximum speed repeat the same process again BUT **Step 4** should have the speed dial set to 10 and in **Step 7** you should increase the bed speed to the maximum desired.

Important, if the tractor hydraulic oil flow is less than the maximum required by the valve (60 litres per minute) then setting the maximum bed speed to use the full flow of oil will result in the other valve functions not working when the bed is operating at maximum speed. The bed speed may then need to be reduced from maximum to allow operation of the chute / tailgate functions. This can be programmed when setting the maximum speed of the machine by slowing down the maximum bed speed a small amount before switching off.

However, if full bed speed is required, please be aware that the other valve functions may be compromised during full bed speed operation.