

Date Issued:	4/09/2013	Info Reference:	CLT00615 REV01
Machines affected:	V6 Mk3, Fusion Vario		

Description

V6 machines from serial number 801350 onwards, and all Fusion Vario machines, are fitted with the Bale Diameter angle sensor and self zeroing arrangement as shown in Fig. 1.

This sensor is factory set at the 1.00 Volt position when the chamber is closed and the bale diameter is at zero. If a sensor is replaced then the following procedure is required to re-calibrate the zero bale diameter position.



Fig. 1

Calibration

! Make sure the chamber is empty, both door latches are fully closed, and all the chamber rollers are perfectly clean before beginning this procedure.

The sensor leg holder bracket must be contacting the Tension Arm stopper as shown in Fig.3 when in the zero position. If not, then rotate the sensor leg holder anti-clockwise.

Fit the new sensor but do not tighten the two M4 sensor mounting bolts fully. Check the sensor input voltage in the control unit diagnostics menu as described on the following page. The target is precisely 1.00 Volt.

Twist the sensor clockwise on its slots to decrease the voltage. Twist anti-clockwise to increase the voltage reading. Tighten the M4 mounting bolts and re-check the voltage.

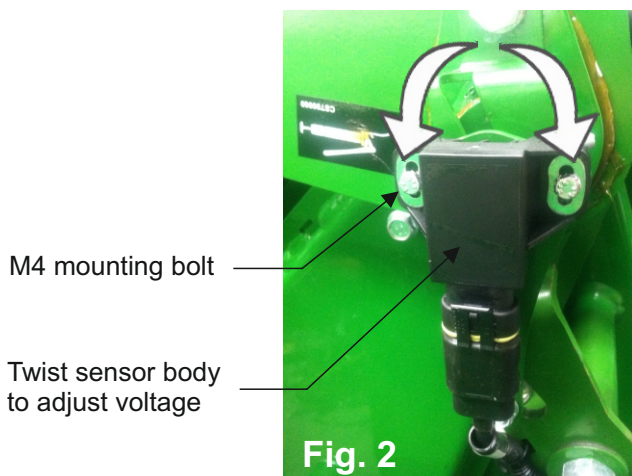


Fig. 2

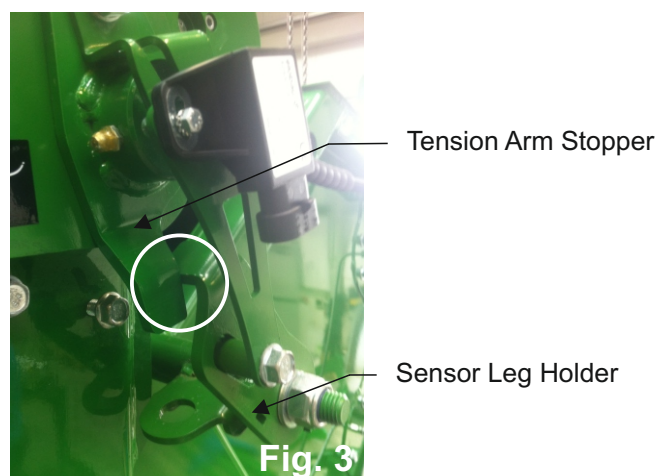
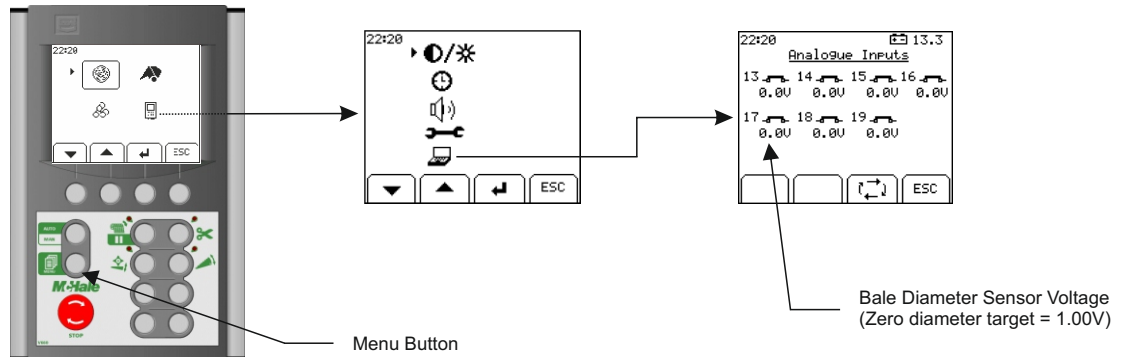


Fig. 3

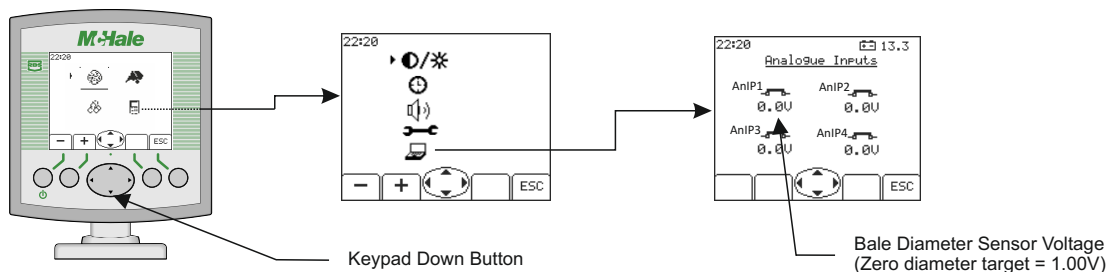
V660 Diagnostics Menu

- Press the 'Menu' button, then select the control unit setup menu (control unit icon).
- Scroll down to the technician menu (spanner icon) and hold the down arrow for 5 seconds.
- The diagnostic menu option (laptop computer icon) will appear.
- Enter the diagnostics menu and toggle to the 'Analogue Inputs' screen.
- Number 17 is the Bale Diameter Voltage display.



V640 Diagnostics Menu

- Press the down arrow button on the keypad to enter the menu.
- Select the control unit setup menu (control unit icon).
- Scroll down to the technician menu (spanner icon) and hold the down arrow for 5 seconds.
- The diagnostic menu option (laptop computer icon) will appear.
- Enter the diagnostics menu and toggle to the 'Analogue Inputs' screen.
- Number 1 is the Bale Diameter Voltage display.



Fusion Vario Diagnostics Menu

- Press the menu button, then select the Diagnostics menu tab (laptop computer icon).
- Enter the pin code '1234'.
- Press the 'AINP' button to view the analogue input voltage checks.
- Number 9 is the Bale Diameter Voltage display.

