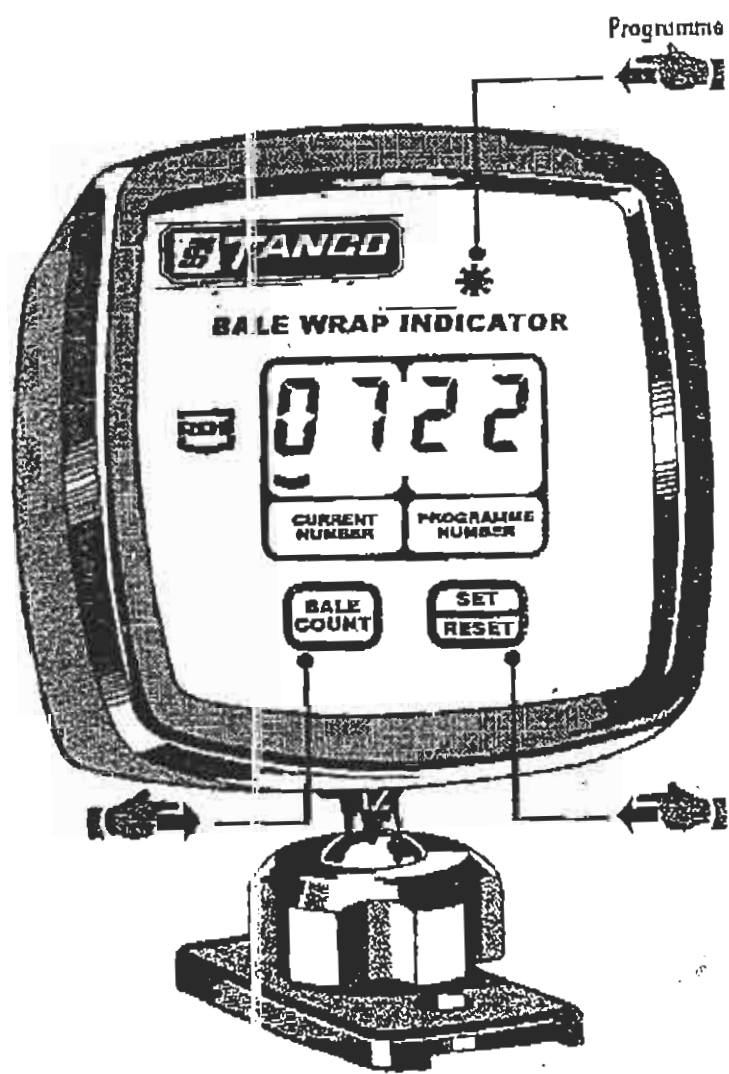


550S MODEL BALE WRAP CONTROLLER

Connect direct to battery as per operating instructions. The programming of the Bale Wrap Controller is easily done by following the steps outlined below.

Once the unit is switched on the number of required turntable revolutions appears on the right hand display. To change this press and hold the "hold to set" button, see fig 6, then press the "set/reset" button. The first digit of the number will then blink and count from 0-9. Release the "set/reset" button at the required number. By pressing the "set/reset" again the second digit can be changed.

The monitor counts the number of bales per batch and the cumulative total. To see these, press the "bale count" button. The first number to appear is the batch total. If the button is held down for 10 seconds a line will appear on the display, followed by the cumulative number wrapped. The batch count can be reset to 0 by holding the "bale count" button down and pressing the "set/reset" once. The cumulative total cannot be returned to zero.



550S MODEL

BALE WRAP CONTROLLER FUNCTIONS

The Bale Wrap Controller Functions

The Bale Wrap Controller has a total of three functions to control.

To access these functions press/hold * button and re connect power then release * button

A Chevron V appears at the left hand side of the display windows - this may be moved across the display from left to right by repeatedly pressing button *

The three chevron positions have specific functions and the time for each function may be set by the two buttons at the bottom of the display screen

- < > +

Reading from left to right the chevron positions are as follows:

1. Indicates number of turntable revolutions before out and start opens. = 2
2. Indicates the number of revolutions of the turntable when solenoid valve switches off = 3
3. Indicates the number of revolutions before the set figure at which the buzzer sounds = 0.

Finally to lock all functions into the controllers memory, switch power off and back on again.

Fixing the instrument pod

The instrument pod can be positioned so that the pod foot is below, on top, or on either side of the head unit.

To change the pod foot orientation,

- 1 Remove the large 'pozi-drive' screw from the rear of the pod.
- 2 Withdraw the inner head unit and turn through 90° or 180°. It may be necessary to re-route the cable underneath the fixing strap.
- 3 Re-assemble the pod and head unit, taking care to locate the cable grommet in the cable slot.

To fix the pod foot,

- 1 Remove the instrument pod completely from the pod foot, by undoing the large nut at the base of the instrument.
- 2 Fix the foot using two No. 8 x 5/8" countersunk self-tapping screws. These require two 3.5mm (9/64") holes.



Do not overtighten the fixing screws.

- 3 Re-mount the instrument pod to the foot.



Do not overtighten the fixing nut.

'Harting' Connector

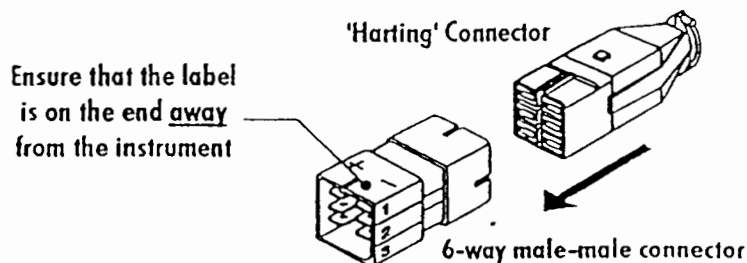
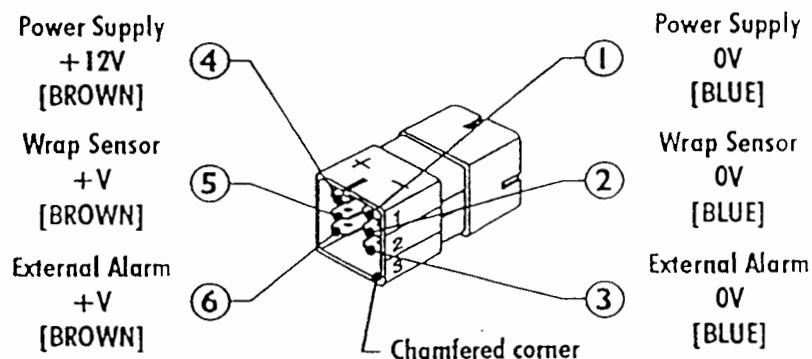
The head unit is supplied with a flying lead terminating in a 6-way connector plug.

Cables are connected to a mating 6-way male-male connector shell, to create a quick release connection between the instrument and the vehicle. This allows the head unit to be easily transferred to another vehicle.

A label on the connector identifies each terminal. Orientation is identified by a chamfered corner and a groove.

NOTE

It will be easier to identify the connections by fitting the connector shell onto the flying lead before installation. The labelled end is fitted furthest away from the the flying lead.



Bale Wrap Controller:

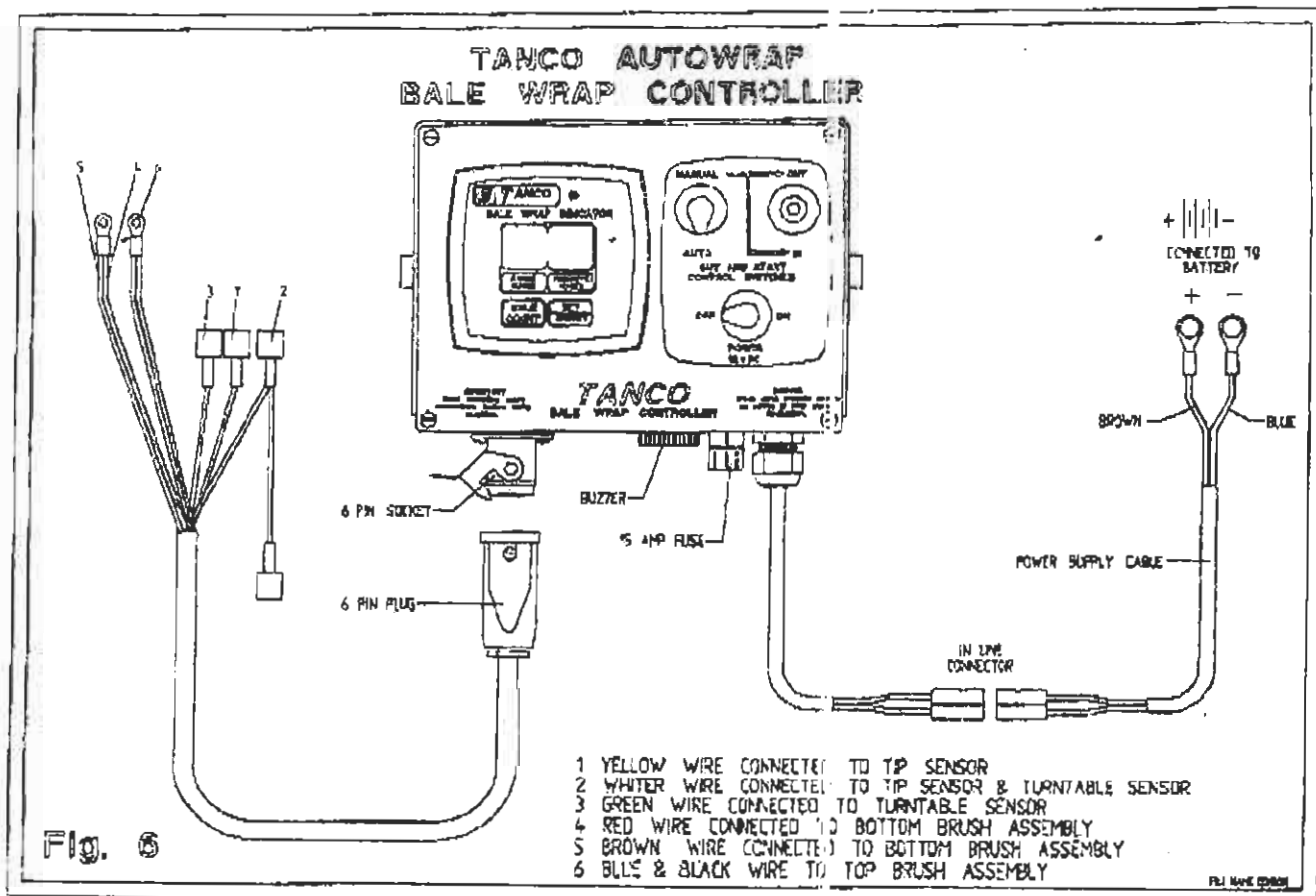
Connect direct to battery as per operating instructions and switch on. The programming of the Automatic Bale Wrap Controller is easily done by following the steps outlined below:

Once the unit is switched on, the number of required turntable revolutions appears on the right hand display. To change this press and hold the "hold to set" button, see fig. 6, then press the "set/reset" button. The first digit of the number will then blink and count from 0-9. Release the "set/reset" button at the required number. By pressing the "set/reset" again the second digit can be changed.

The monitor counts the number of bales per batch and the cumulative total. To see these, press the "bale count" button. The first number to appear is the batch total. If the button is held down for 10 seconds, a line will appear on the display, followed by the cumulative number wrapped. The batch count can be reset to 0 by holding the "bale count" button down and pressing the "set/reset" once. The cumulative total cannot be returned to zero.

To enable you to understand how the controller works, here is a brief resume of its functions.

- (1) After two revolutions of the turntable the actuator pushed open the Cut and Start, this action takes 8.5 secs until the latch engages, then after 9 revolutions of the turntable the actuator closes for a period of 5.5 seconds and stops in the rest position. When the turntable is tipped, the magnet operates the sensor which activates the linear actuator which closes fully and in doing so, trips the latch releasing the gripper arm which slams closed under the spring pressure, cutting the film and, at the same time gripping the film for the next bale.



550S MODEL

BALE WRAP CONTROLLER FUNCTIONS

The Bale Wrap Controller has a total of seven functions to control.

To access these functions press/hold * button and switch on, then release * button.

A Chevron V appears at the left hand side of the display windows:- this may be moved across the display from left to right by repeatedly pressing * button.

The seven chevron positions have specific functions and the time for each function may be set by the two buttons at the bottom of the display screen.

- < > +

Reading from left to right the chevron positions are as follows:

- V (1) Indicates number of turns to activate motor = 2
- V (2) Indicates the number of seconds it powers out until the latch engages = 8.5
- V (3) Indicates the number of revolutions of the turntable before the motor reverses = 9
- V (4) Indicates the number of seconds required to reverse to the park positions = 5.5
- V (5) Indicates the number of seconds from the tipping signal until the motor is fully closed = 3.5
- V (6) Indicates the number of revolutions before the set figure at which the buzzer sounds = 0
- (7) No chevron appears but letter N appears. This indicates "Non-Auto Reset" and does not need to be changed. It means that you can go past the preset number of revolutions eg: if set for 22 and you decide to do a few more turns to ensure bale is fully wrapped, you can do so without upsetting the programme.

Note: The act of tipping off the bale completes the programme of functions so if you are demonstrating how the unit works, always finish up by passing a magnet over the trip sensor when you will notice the display return to the preset figure in the right display and to 0 in the left one.

Finally, to lock all functions into the controllers memory, switch power off and back on again.

Section 2 - The control switches



There are 3 switches on the front panel used individually or in combination, to programme, set/reset or select a function.

Programme




Press and hold in combination to:

- (i) Set Target Wrap number.
- (ii) Set alarm threshold.
- (iii) Totally reset instrument.

Set/Reset



Press and hold:

- o in combination with  to cycle digits from 0-9 when entering preset values for:
 - (i) Target Wrap number.
 - (ii) Alarm threshold.
- o for 5 seconds to reset part total or Current Wrap number.

Bale count



Press and hold to display bale totals.

3.2 Part and grand total

When bale wrap is complete, both part and grand totals automatically advance by 1. The part total can be reset at any time.

The grand total cannot be reset.

Display totals



Hold.

Part total displays for 8 seconds.



4 bars display momentarily



Grand total displays for a further 8 seconds, then defaults to the normal display.



Reset part total



Hold with part total displayed.

3.3 Total reset

If for some reason the data in the instrument is corrupted or the display shows 'PrOG' then the instrument must be totally reset.

- 1 Switch power off.
- 2 Press and hold all control switches.
- 3 Switch power on.
- 4 Release all switches.

All instrument settings should be returned to the factory-set values. If the display shows 'PrOG' again, the instrument may be faulty and must be returned to the manufacturer for inspection and repair.

