

CRYPTON

In tune with the future



630-2RLC Upgrade

INSTALLATION INSTRUCTIONS

TES1366/A
Jan 2002

IMPORTANT

Every reasonable effort has been made to ensure that information within these Operating Instructions is correct at the time of release, but Crypton cannot accept-responsibility for any errors that may occur.

The information in these Operating Instructions is subject to change without notice, and does not represent a commitment on the part of Crypton.

Service & Warranty

The reliability of this equipment is fully supported by our service agent.
Please refer to the page at the end of this manual for full details.

Note:

Your attention is drawn to our Terms & Conditions of Sale, particularly paragraph 2. If a service engineer is called out. under service warranty where, upon inspection and test the equipment is found to be in full working order and no fault found, the user is liable to be charged the cost incurred for this call out. Before calling out an engineer, ensure your equipment is faulty by checking its operation, particularly mains supply and fault codes/self test if applicable.

WARNING:

Do not attempt to operate this equipment unless you have read and understood these instructions.

List of brackets and sensors, included in the update kit:

Disc (1) Tacho sensor for 3rd roller.

2 discs.
2 grub screws, 10 mm.
2 bolts, 10 x 30 mm.
2 spring washers.

Bracket for sensor for 3rd roller (6).

2 brackets-
4 bolts, 6 x 16 mm.
4 self-locking nuts, 6 mm.

Terminal box (2) and bracket (3).

2 mounting brackets.
2 terminal boxes.
4 bolts, 10 x 35 mm.
4 washers, 12 mm.
4 washers, 10 mm.
4 spring washers.
4 self-locking nuts.

Brackets (4) for “stop” sensor for 3rd roller assembly.

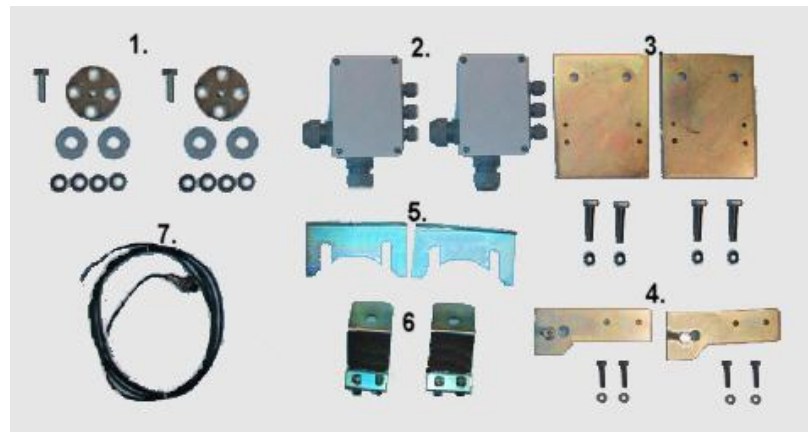
2 brackets.
4 bolts, 6 x 12 mm.
4 spring washers, 6 mm.
4 self locking nuts, 6 mm.
2 bolts, 8 x 40 mm.
2 self-locking nuts, 8 mm.

Bracket (5) Not in use

2 brackets.

Proximity sensors (7).

4 proximity sensors.



The position of the sensors and transducers in the roller units.

Remove the sensors and switches from the 3rd roller and its assembly.

Do not remove the brake force load cell.

Third roller tachometer.

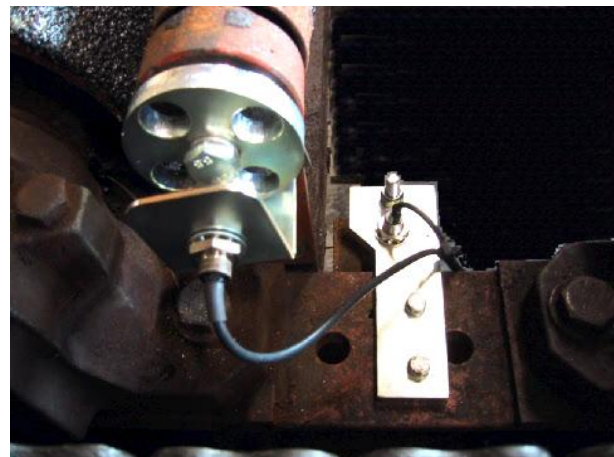
Bolt the disc to the end of the 3rd roller where the old tachometer sensor was placed. Use 1 or 2 washers between the roller and disc as needed. Fit the bracket to the bearing support by drilling 2 holes and bolt the bracket on or fit by welding. Make sure that the hole for the sensor is opposite the holes in the disc.

Mount the sensor in the allocated hole in the bracket and secure it with the two nuts. The distance between the sensor and the disc must be approximately 2 mm.



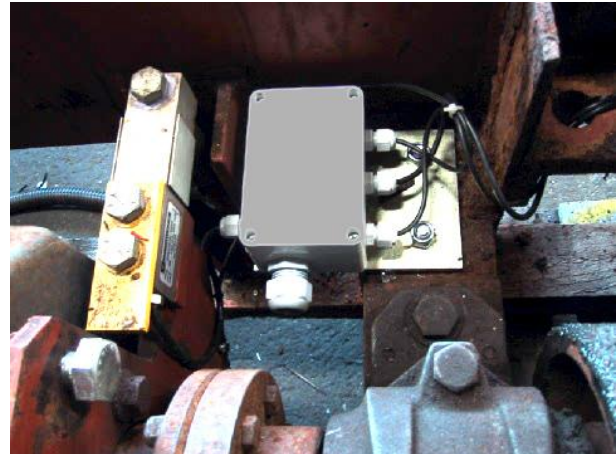
“Stop” sensor on 3rd roller assembly.

Mount the bracket for the “stop” sensor to the chassis so the hole for the sensor and the threaded hole is above the plate on the 3rd roller assembly (see photo). Secure it by drilling two holes and bolt it on, or by welding. Screw the bolt into the bracket from below and secure it with the self-locking nut. The function of the bolt is to stop the plate from hitting the sensor, which is fixed in the other hole by two nuts. Adjust the bolt and the sensor so the plate, when in uppermost position, leans on the bolt approximately 2 mm from the sensor.



The junction box (2).

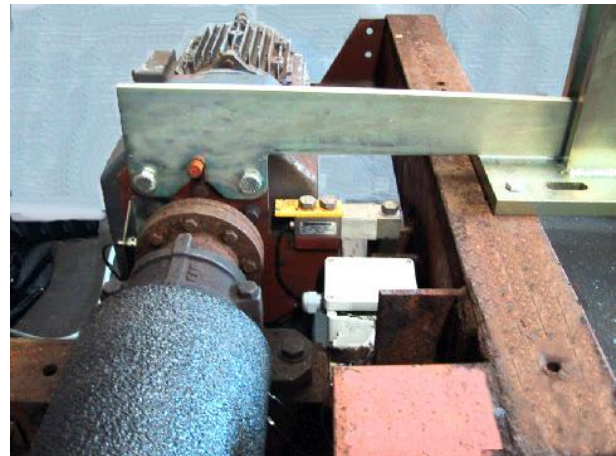
Bolt the junction box to the chassis next to the transducer either by bolting or by welding.



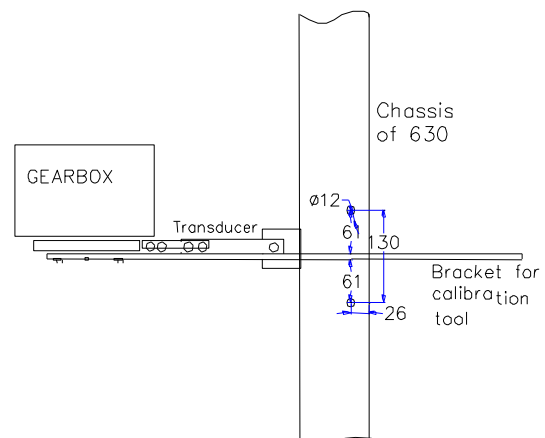
For the calibration tool-

Two 12 mm holes have to be drilled and threaded in the frame of the chassis opposite the transducer.

Bolt the bracket for the calibration tool on to the plate on which the Transducer is mounted (see photo).



Drill the holes at a equal distance (61 mm) on either side of the bracket where is crosses the frame. The holes must be 130 mm apart and 26 mm from the outer edge. The holes must be threaded.

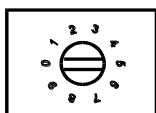
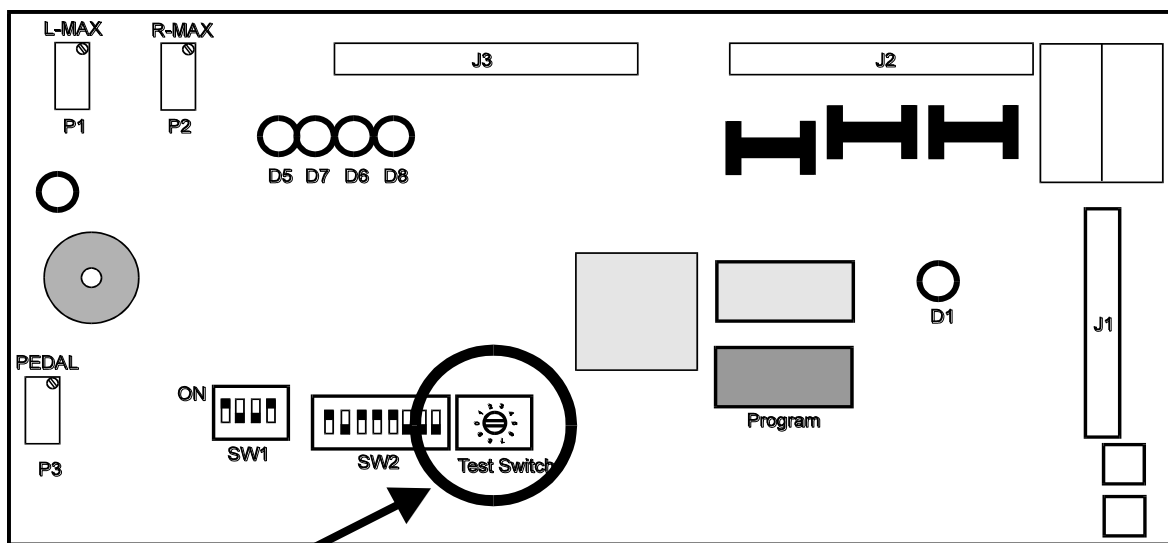


Cables for the update of 630:

Cable no.	EWJ no.	Type	Location/Function
1	LT0000	8x0.50 [⊙]	Board – Right roller unit
2	LT0000	8*0.50 [⊙]	Board -- Left Roller unit
3	Internal cable		
4	LT1014	14x1.0 [⊙] + earth, screened	Board – Display console
5	Internal cable		

Overview of cables available for the updated Crypton RBT, 630

92125 / 92630 The test switch functions.



Test Switch

Testswitch positions 0 - 9.

- 0: Normal operation.
- 1: Calibration of measuring accuracy.
The motors can be run with or without wheels placed on the rollers (only to be used during calibration).
- | | | |
|-----------------------|--------------------------------|------------------------|
| Display: | Wheels on rollers: | Speed of the rollers. |
| No wheels on rollers: | Brake force (last two digits). | |
| Keys: | START | Starts the rollers. |
| | STOP | Stops the rollers. |
| | L-START | Left side of display. |
| | R-START | Right side of display. |
- 2: Control of automatic zero adjustment.
The zero point is shown on the display. It must be 2.50 ± 0.20 .
- | | | |
|----------|------------------------------------|---|
| Display: | Voltage on brake force transducer. | |
| Keys: | L-START | Left side of display, or high/low resolution. |
| | R-START | Right side of display or high/low resolution. |
- At 2.50, the display will show 25 at low resolution and 50 at high resolution.(the display can only show 2 digits). You toggle between the two resolutions by repeated press on the key.
- 3: Adjustment of dial/display values.
- | | |
|-----------|--------|
| Display: | 4.0 |
| Pointers: | 4 Kgf. |

- 4: Control of brake pedal pressure.
 Display: 0 -99 kg.
 Keys: PEDAL: Toggles between high and low resolution.
 At 21 kg. pedal pressure, the display will show 21 at low resolution and 10 at high.
5. Third roller speed shown as Hz.
 Display: Speed in Hz
 Keys: L-START Left side
 R-START Right side.
- 6: Printing of brake tester setting report. Dip-switch settings and test of printer.
 Keys: PRINT Starts printing the report.
- 7: Test of keyboard, remote control and indicator lights.

KEY	DISPLAY	LIGHT
Date	1	Amber light
Diff	2	green, right
Park	3	Green, left
Start	4	Red, right
Weight	5	Red, left
Oval	6	Date light
Memory	7	Weight light
Stop	8	Left light
L-start	9	Right light
Pedal	10	Diff. Light block
Print	11	Oval block
Aut/man	12	Pedal block
R-start	13	4WD/
0	14	
X	15	
C	16	

IR	DISPLAY
Start	21
Stop	22
Diff.	23
Park	24
Oval	25
Memory	26
Pedal	27
Print	28

- 8: Normal operation without automatic stop of rollers.
- 9: Has no functions.