WE/WS 2300 SERIES
MAINTENANCE MANUAL



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CROWN

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LED code	Programmer LCD display	Comments	Possible Causes
***–*	CONT DRVR OC	Overcurrent in contactor driver.	Short circuit in direction contactor coil. Short circuit in motor shunt coil or wiring.
***–**	DIR CONT WELDED	Direction contacts are welded.	Direction contactor contacts are welded or jamming.
–*	MISSING CONTACTOR	Wiring to direction contactor or shunt field open.	Direction contactor coil is open. Direction contactor coil missing. Shunt coil connection is open. Direction contactor wiring disconnected.
****–*	LOW BATTERY VOLTAGE	Battery voltage too low.	Battery voltage below 16 V
****–**	OVERVOLTAGE	Overvoltage	Battery voltage above 16 V
****–***	THERMAL CUTBACK	Reduction in travel speed due to traction controller high or low temperature.	Traction controller temperature above +85 °C or below -25 °C. Truck overloaded. Controller fitted incorrectly. Extreme ambient conditions.

NOTE

Only one error - the most recent - is displayed.

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Important Technical Data

Mains voltage: 230 V +10% / -15%

Mains frequency: 50 - 60 Hz + /-1%

Output capacity: 720 W + /-3%

1. Can be used for open lead acid batteries with 12 cells and a cell voltage of 2 volts (24 volt battery)
2. Minimum battery capacity 160 Ah
3. Maximum battery capacity 300 Ah

The maximum charging time at room temperature for an 80% discharged battery is:

1. 5 h for a 300 Ah battery
2. 2 h for a 240 Ah battery
3. 8 h for a 160 Ah battery

Charger safety rating: IP20

Ambient temperature: 0 °C to +40 °C

Air humidity: 90% relative, non-condensing

Replacing the Charger

WARNING

Do not reverse the battery connection wires

- *If you reverse connect the charger wires to a battery, the minimum damage you will incur is a blown internal fuse.*
- *This fuse can only be replaced by the manufacturer. Replace the charger where necessary with an original Crown replacement charger.*

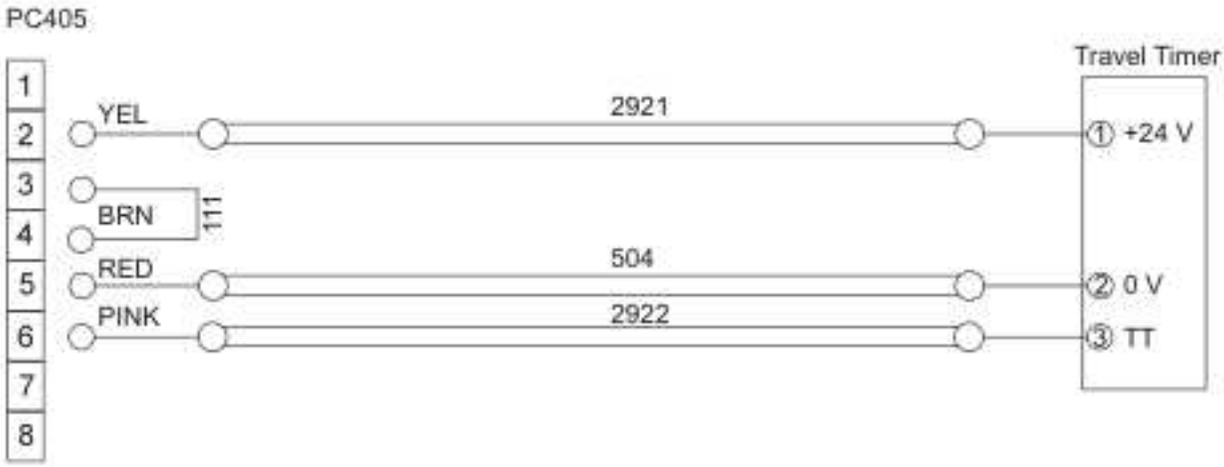
Removal / Assembly

- Remove the mains plug and disconnect the battery.
- Undo the mains supply lock on the charger and remove the connector.
- Disconnect the charger connections to the earth contact of the pump contactor and fuse F1.
- Disconnect the plug connection of the 3 wire lead to the LEDs.
- Remove the 4 screws which attach the charger to the retaining plate and remove the charger.
- Assembly is the reverse order of removal.

To ensure the charger is properly earthed, check again that the unpainted earth points on the charger sheet are not corroded. If necessary, remove paint or corrosion to create the important earth points.

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Hourmeter Harness



803545_2C

Connector housing

Housing	Order Number
PC405	803450-004

Contact pins

Item No.	Order Number
---	062007-043

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