CROWN



Service Manual

Wartungshandbuch
Manuel de maintenance

SC3000 Series

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Truck Data Numbering Sheet



Capacity
1.3 = 1250 kg
1.6 = 1600 kg
1.8 = 1800 kg

Model designation
SC = Sitdown Rider Counterbalance

T = Telescopic

L = Double, part free lift
F = Double, full free lift
T = Triple, full free lift

Fork Length	
Dash	mm
1	900
2	1000
3	1150
4	1200
5	1220
6	600
7	800
8	1370
9	1067

ITD002-gb

Collapsed Height (mm) / Lifting Height (mm)	
Dash	SC TL / SC TF
1	1750 / 2460
2	1970 / 2880
3	2165 / 3270
4	2315 / 3570
5	2465 / 3870
6	2665 / 4270
7	2840 / 4620
8	3035 / 5010
9	3340 / 5620
10	3485 / 5910

Dash	SC TT
1	1760 / 3670
2	1970 / 4300
3	2165 / 4885
4	2315 / 5335
5	2465 / 5785
6	2665 / 6385
7	2840 / 6910
8	3035 / 7495
9	1993 / 4368
10	2044 / 4521
11	2145 / 4826
12	2569 / 60913

ITD003-gb

NOTE

FOR SPECIALS USE THE ACTUAL FIGURES FOR COLLAPSED / LIFT HEIGHT AND FORK LENGTH (SEE TABLES ITD002-GB AND ITD.003-GB).

Example:

Truck with data 1.3SCTL-2-2 designates

- Capacity 1250 kg
- Sitdown Rider Counterbalance
- Telescopic double part free lift mast
- Collapsed height 1970 mm
- Lift height 2880 mm
- Fork length 1000 mm

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Seat Switch

The seat switch circuit contains a time delay relay which interrupts the truck circuit when the operator has left the truck for a period of time. This prevents the truck from switching off caused by the operator moving or jolts received from the truck.

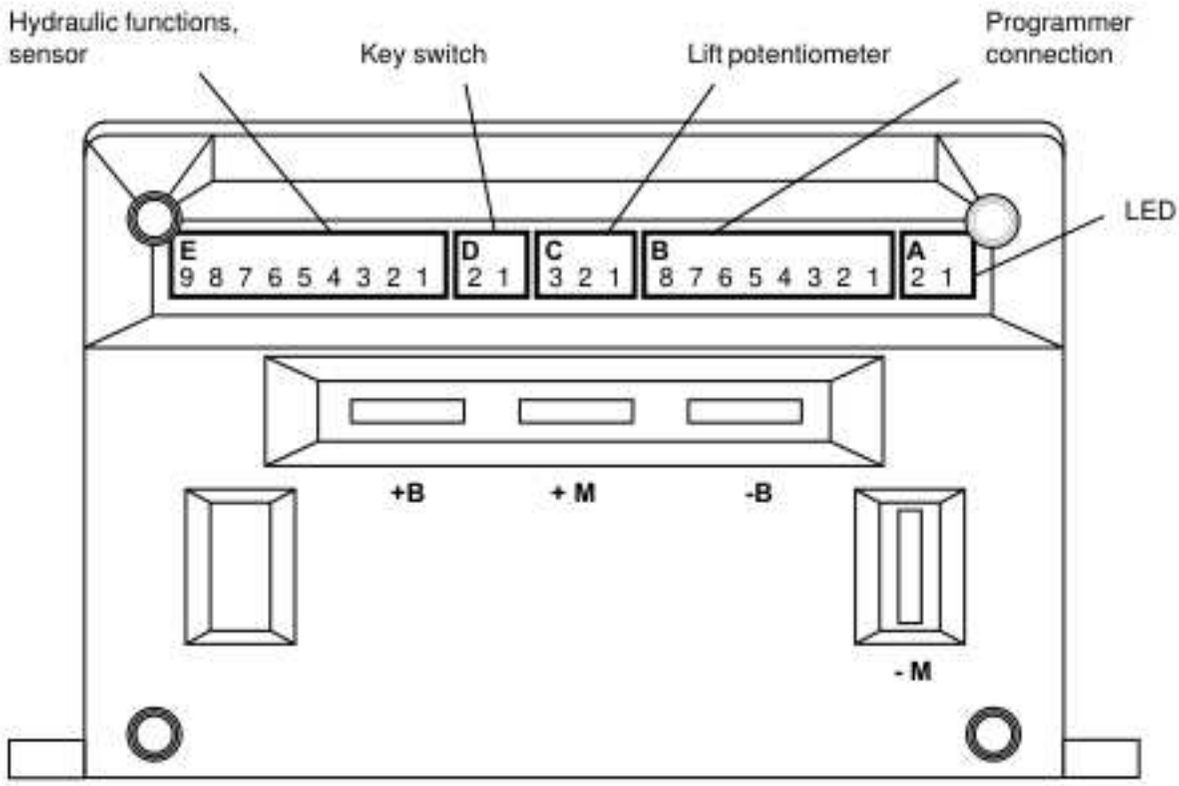
Self Test

The controller is monitored by means of internal self tests. If an error occurs the controller is cut out. Switching the key switch off and on will cause it to re-start.

Steer Support

A sensor generates signals which are digitalised in the sensor module and sent to the pump controller. The pump controller then governs the pump motor at a speed determined by the programmer.

ZAPIMOS HP 350A Pump Controller Connections



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ALARMS Menu

The pump controller can detect and store any faults which occur during operation. The ALARMS menu can be used to call up and read the respective fault codes.

The programmer can display 5 different types of fault codes up to 99 times together with the applicable number of service hours.

ALARMS Menu

Fault Code	Description	Possible Cause
VMN LOW	The test is performed in standby mode. The alarm sounds when the VMN falls to below 1/3 of the battery voltage.	- Faulty motor wiring - Pump controller faulty
NO FULL COND.	The test is performed in operational mode. When the VMN falls to below 1/3 of the battery voltage the pump motor power supply is disconnected.	- Diagnostic circuit in controller faulty
TH. PROTECTION	Indicates that the temperature of the MOSFETs is greater than 80°C. The maximum current is gradually reduced and is zero at 85°C.	For cold MOSFETs: - Heat sensor wiring faulty - Heat sensor faulty - Error in logic connector - Logic faulty
BATTERY	Low battery voltage. Alarm displayed only when BATTERY CHECK option is active. All hydraulic functions interrupted except for steering.	
INCORRECT START	Truck functions when key switch pressed.	- Operating error: lever applied when key switch activated. - Microswitch faulty - Wiring faulty
I HIGH AT STAND	Checks motor current in standby mode. For a value other than 0V an error message is displayed and controller is interrupted.	- Current sensor faulty. - Logic faulty
I = 0 EVER	Checks motor current during operation. When the minimum current is exceeded controller is interrupted.	- Current sensor faulty.
EEPROM PAR. KO	Error message interrupts pump controller operation.	- Error in truck parameter memory range; replace controller.
EEPROM CONF. KO	Error message interrupts pump controller operation.	- Error in configuration data memory range; replace controller.

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