



HANGCHA

HANGCHA AERIAL PLATFORM EQUIPMENT CO.,LTD

Articulating Booms Aerial platform Instruction

Model: GTHZ170

Contents/目录

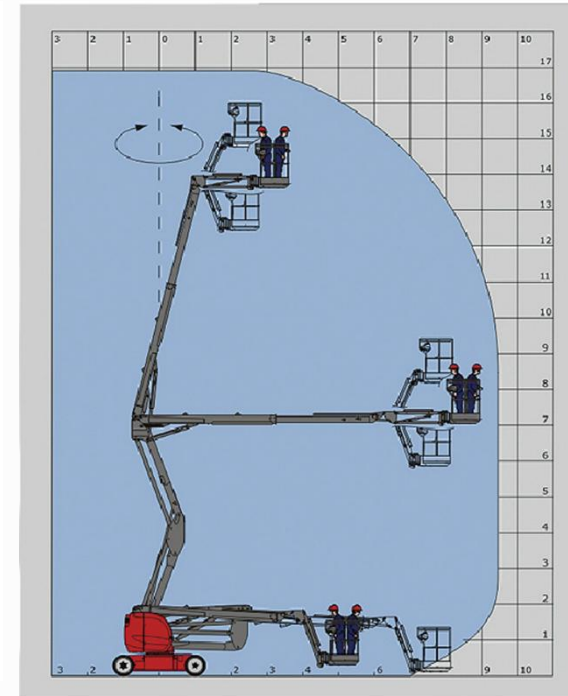
- 1.Machine performance (性能参数介绍)
- 2.Monitor function (显示屏功能介绍)
- 3.Operation instruction (操作介绍)
- 4.Maintenance instruction (保养须知)

Edit by Bruce Chan

July-2025



1. Machine performance (性能参数介绍)

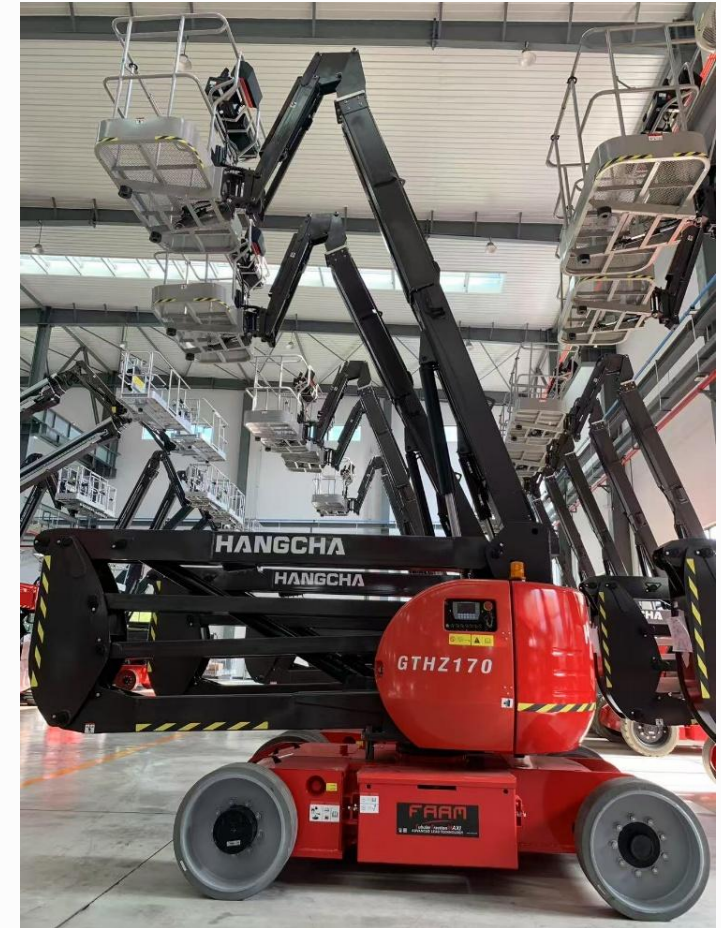


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1. Machine performance (性能参数介绍)

Specifications / 技术参数

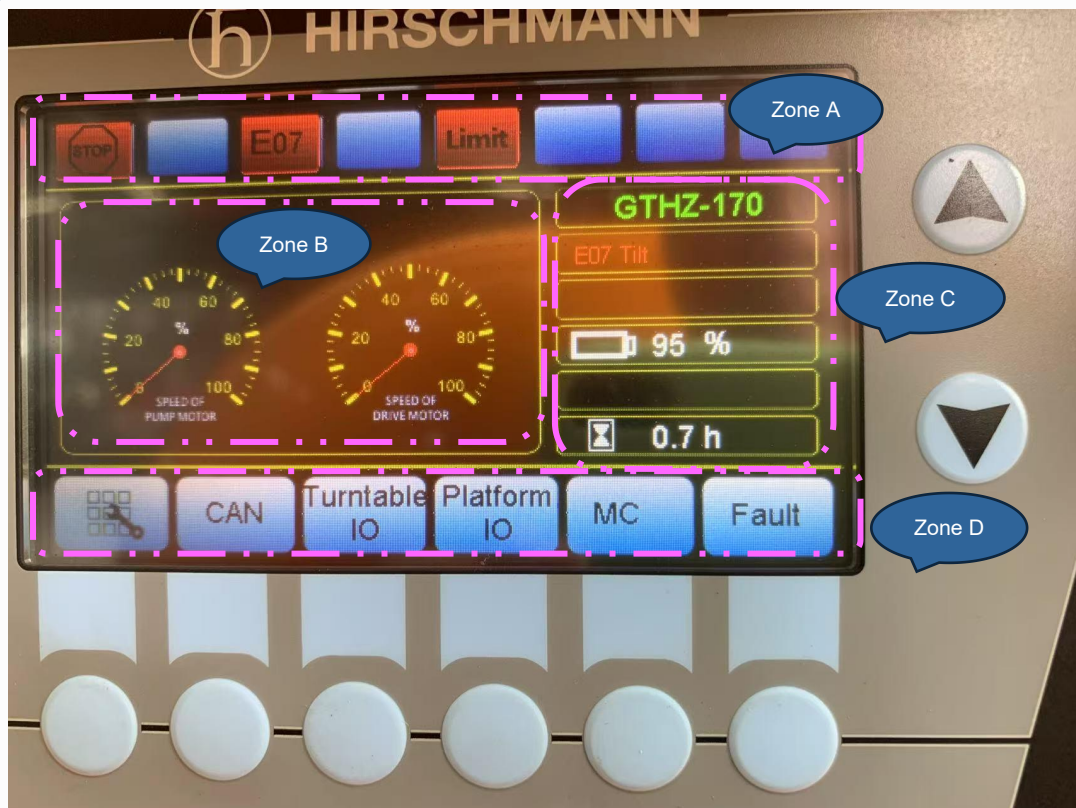
Use / 用途	Indoors and Outdoors / 室内和室外均可
Capacity / 载荷能力	200Kg(Include 2 personnel) / 200Kg(包括2个人)
Max wind speed / 允许使用最大风速	45 Km/h
Control system / 控制系统	Hydro-electric / 液压-电动
Turret rotation / 转台回转范围	355°
Working drive speed / 工作模式下行走速度 Transport drive speed / 运输模式下行走速度	0.6 km/h 5 km/h
Working height / 工作高度 Height of floor / 平台高度 Max. offset / 水平延伸距离	16750 mm 14750 mm 9430 mm
Weight of the access platform / 高空作业平台重量 ● Unloaded / 空载 ● In nominal load / 标准载荷	● 7030 kg ● 7230 kg
Number of drive speed / 速度档数	2
Negotiable slope / 爬坡能力	22%
Max. permissible tilt / 最大允许倾斜度	5% or 3°



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2. Monitor function (显示屏功能介绍)

Interface / 主界面



Interface definition / 主界面介绍

1. Zone A / A区:
 - a. Error alarm 报警显示
2. Zone B / B区:
 - a. Pump motor speed 泵电机转速
 - b. Drive motor speed 行走电机转速
 - c. Date & Time 日期 & 时间
3. Zone C / C区:
 - a. Machine model 车型显示
 - b. Error code indicate 故障显示
 - c. Battery percentage 电量百分比
 - d. Running hours 工作小时
4. Zone D / D区:
 - a. Parameter information 参数信息查询



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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息



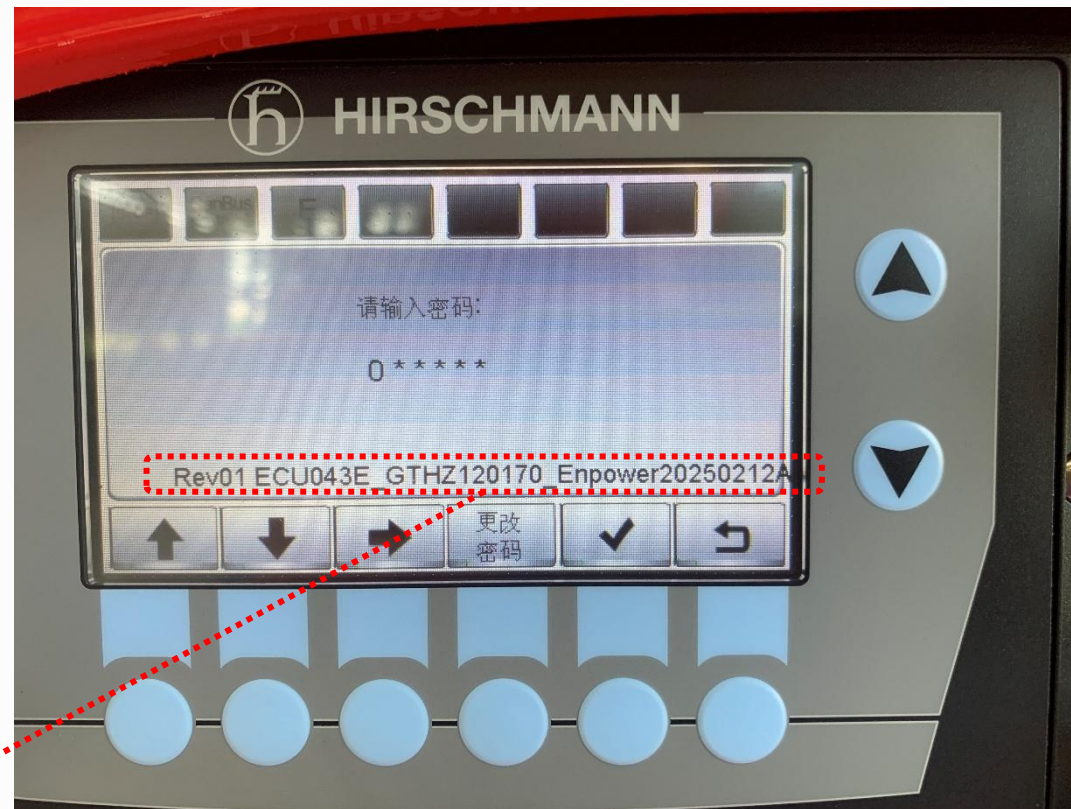
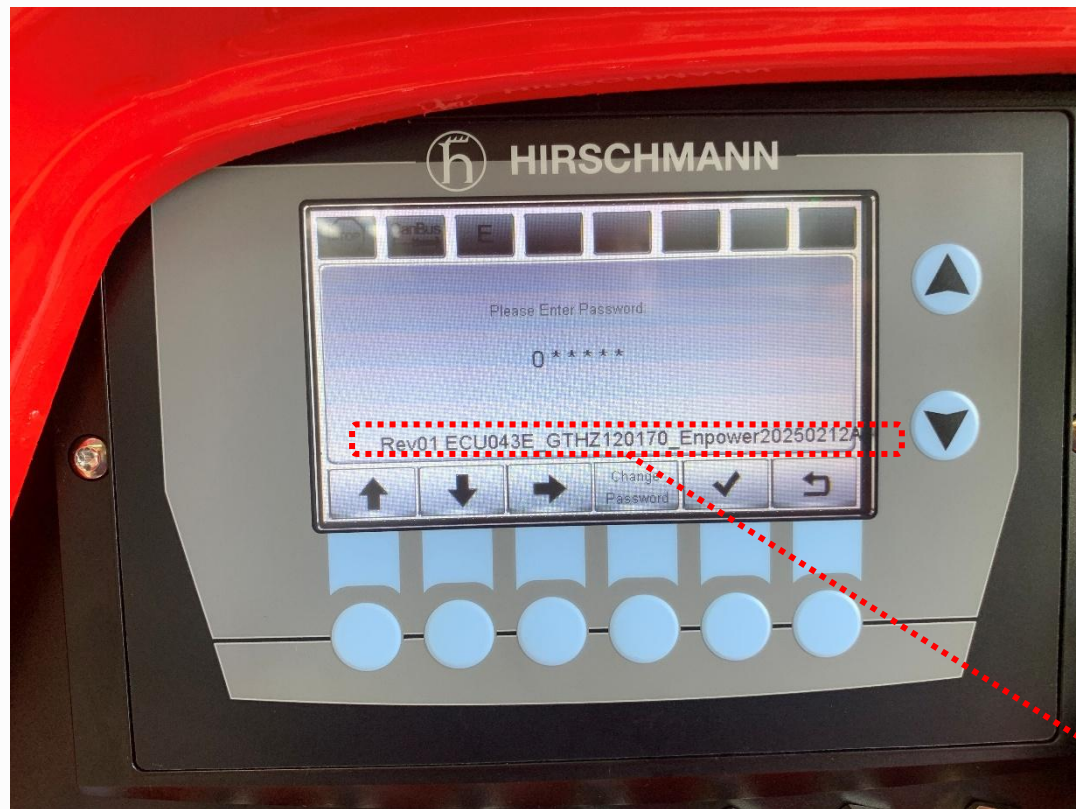
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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

a. Software version / 程序版本信息

b. Parameter setting password:121212 / 参数设置进入密码:121212



Version information / 程序版本信息

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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

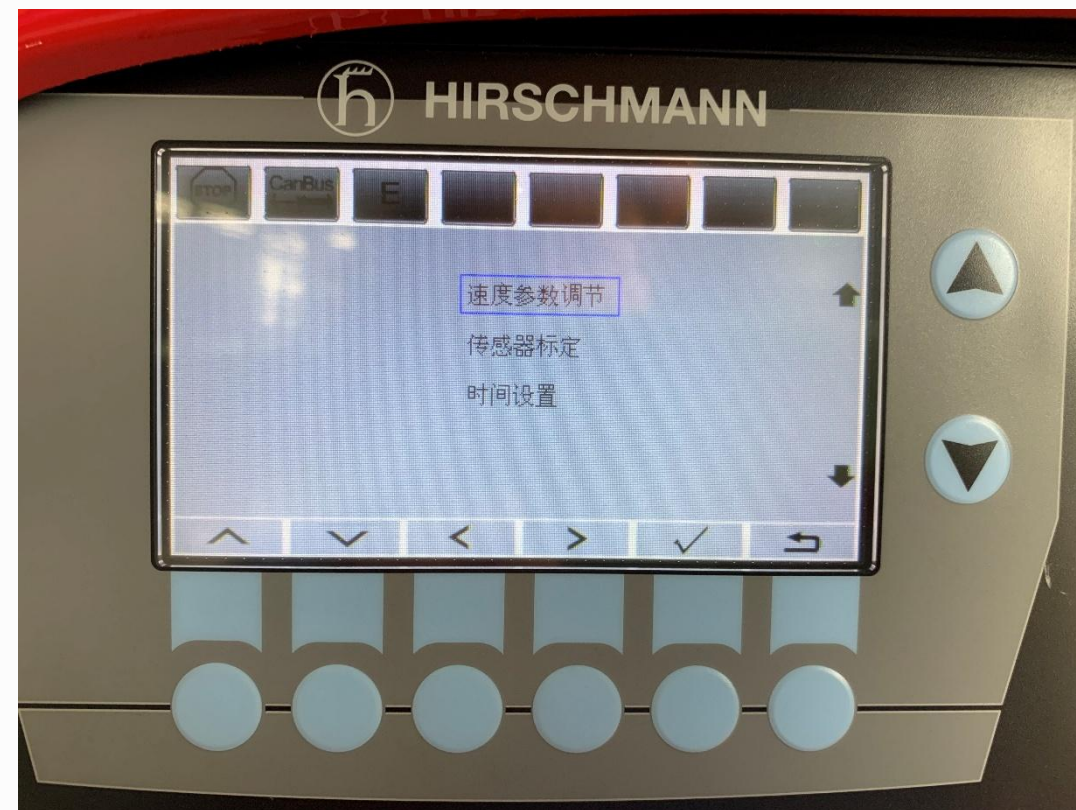
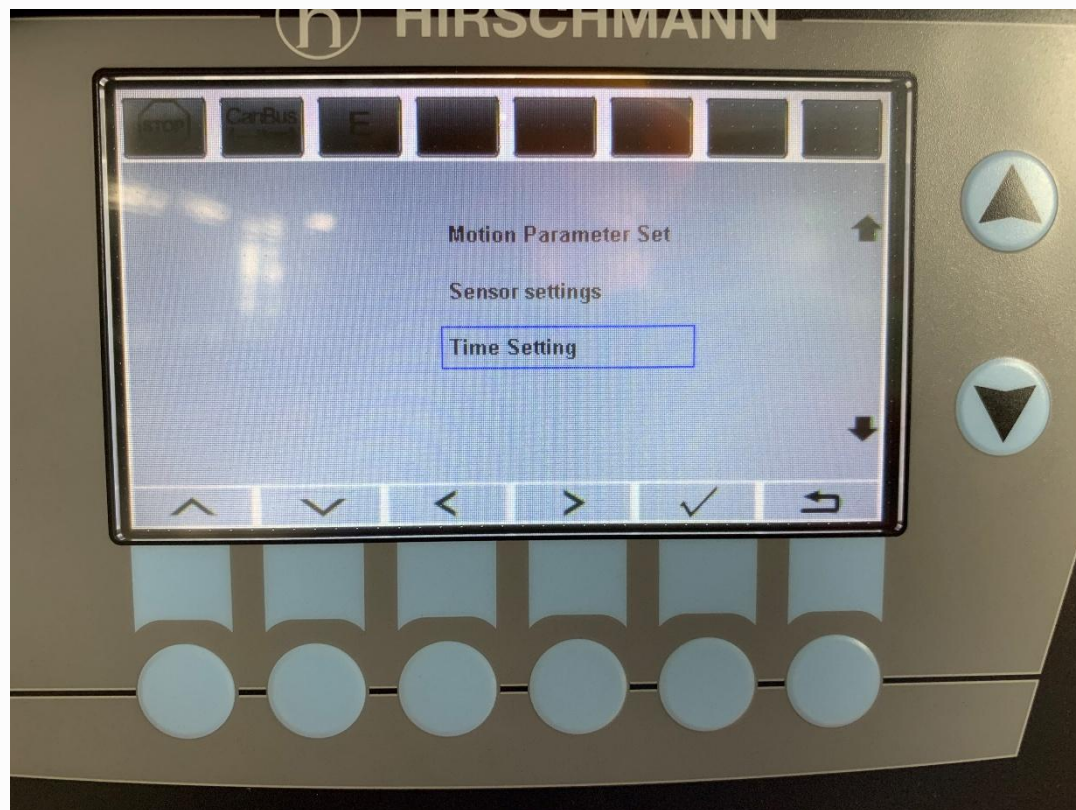
c. Configuration setting / 功能配置选择



2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

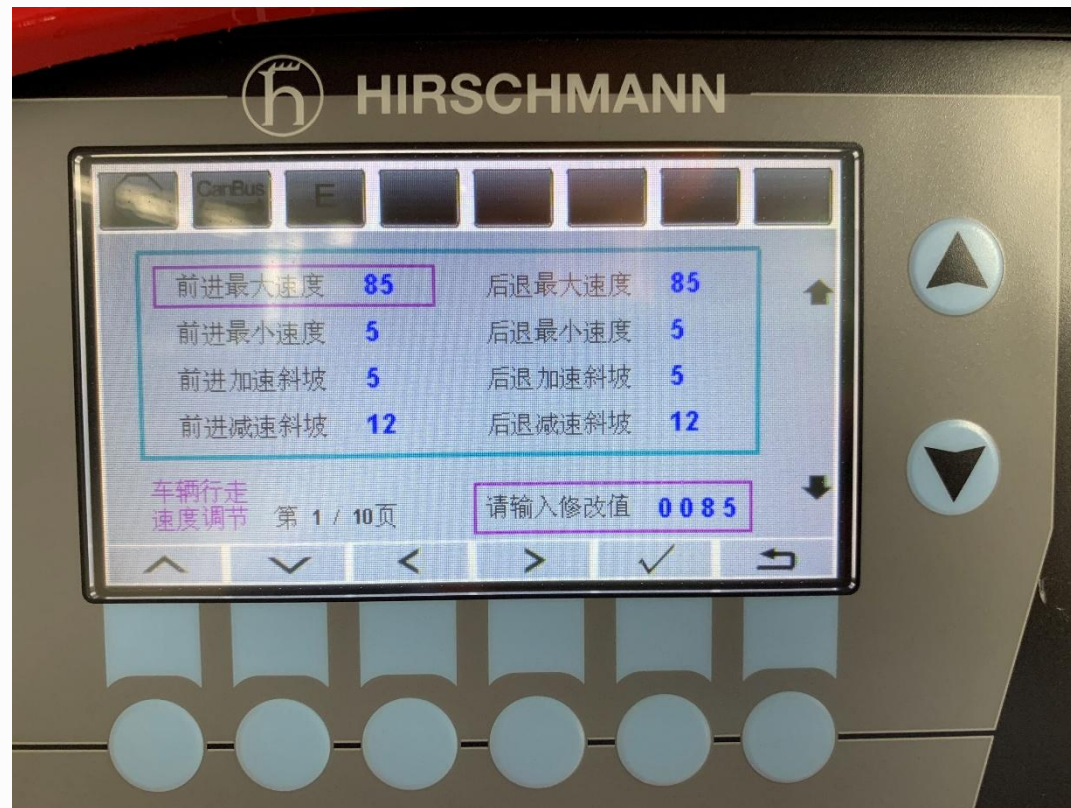
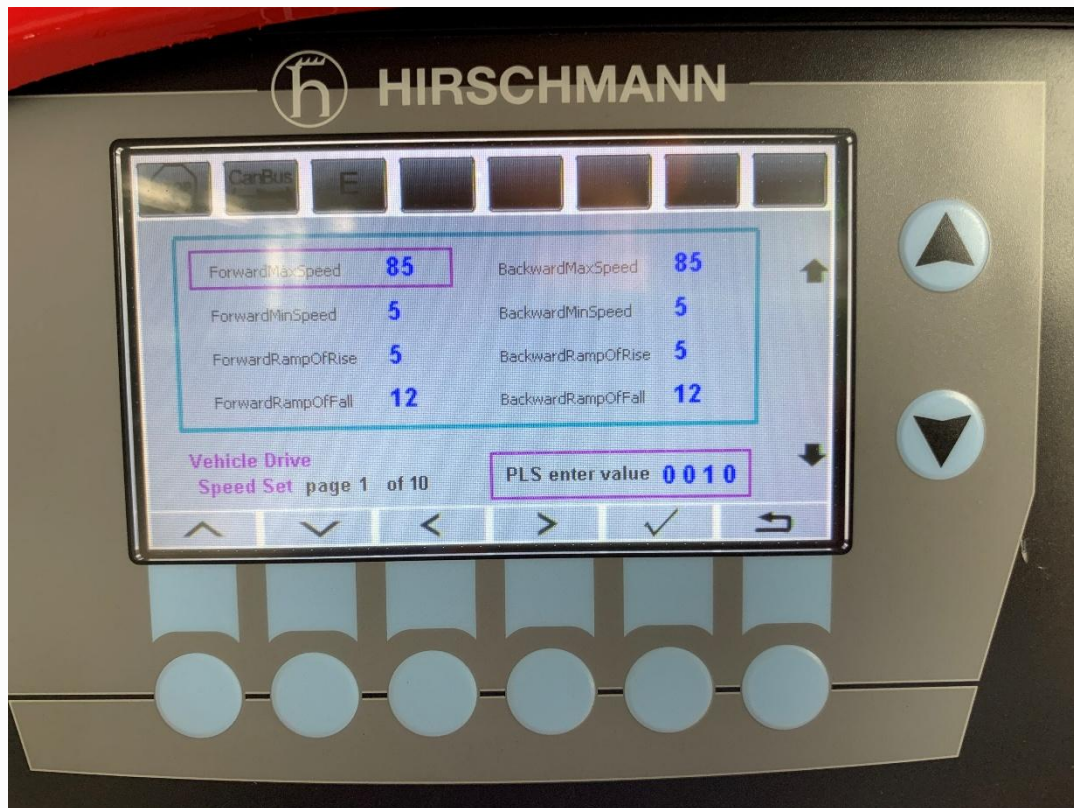
d. Setting select / 设置选项



2. Monitor function (显示屏功能介绍)

A.) Setting Menu / 设置信息

5. Motion parameter set / 速度参数调节



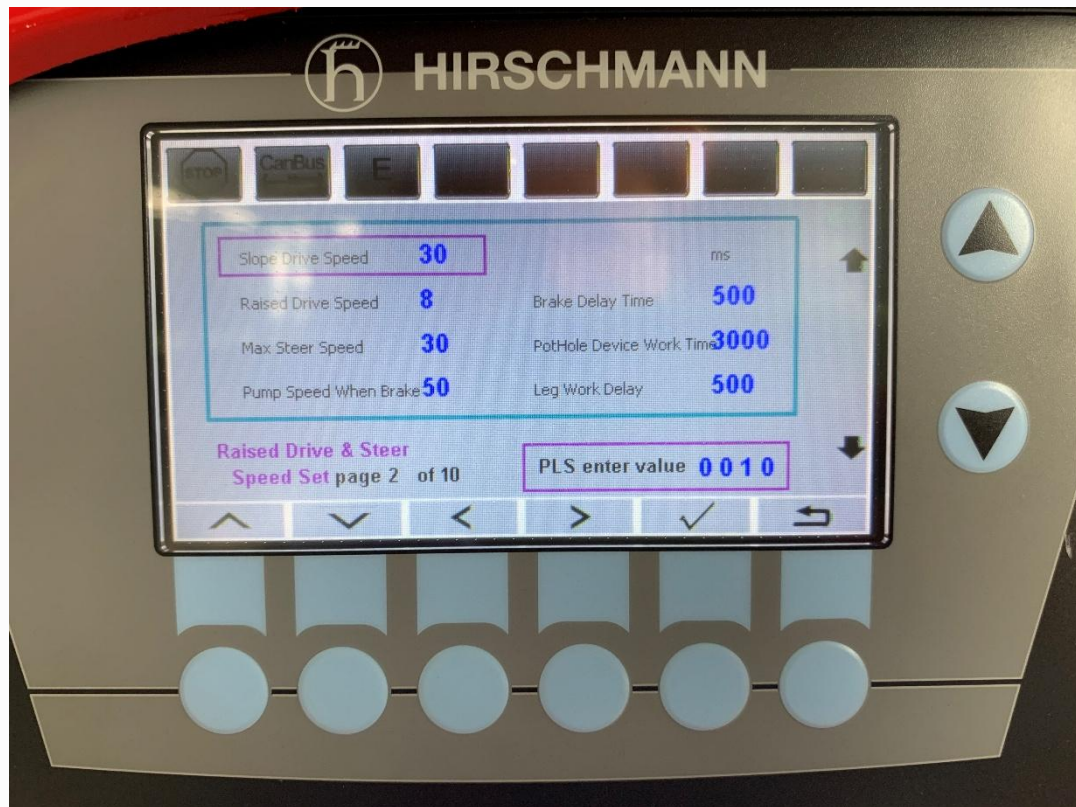
Secondary password / 二级密码: 931870

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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



Secondary password / 二级密码: 931870

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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



Secondary password / 二级密码: 931870

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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



Secondary password / 二级密码: 931870

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2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



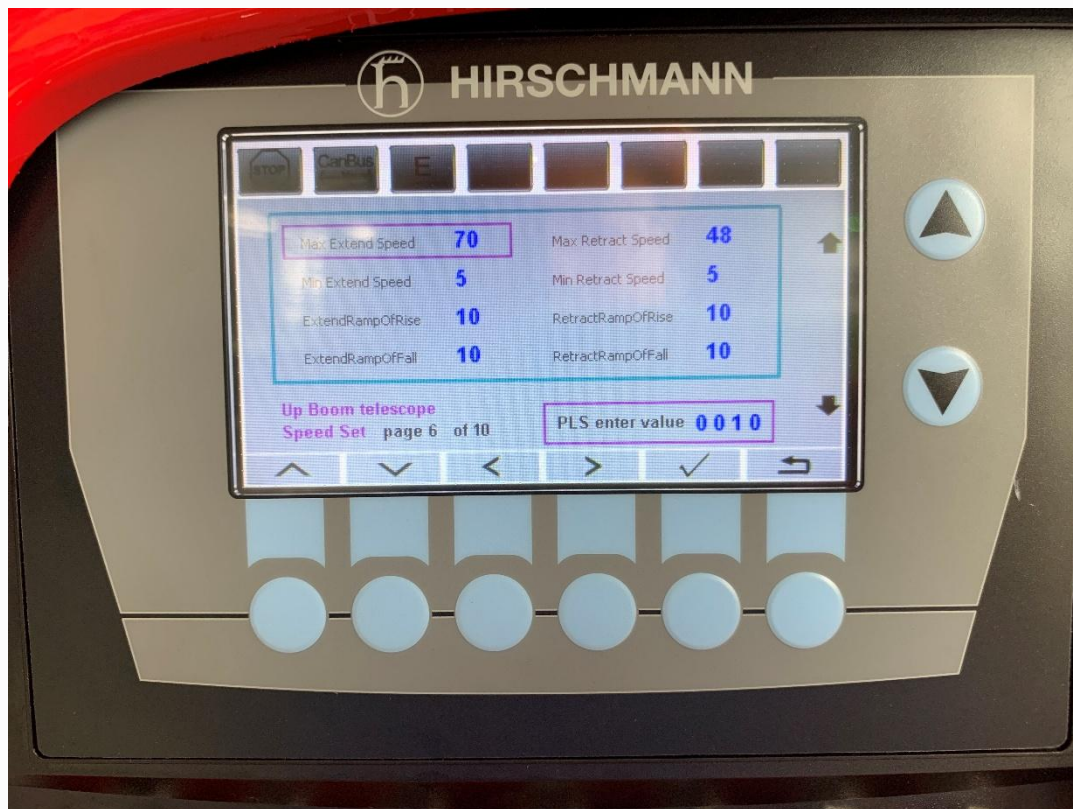
Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



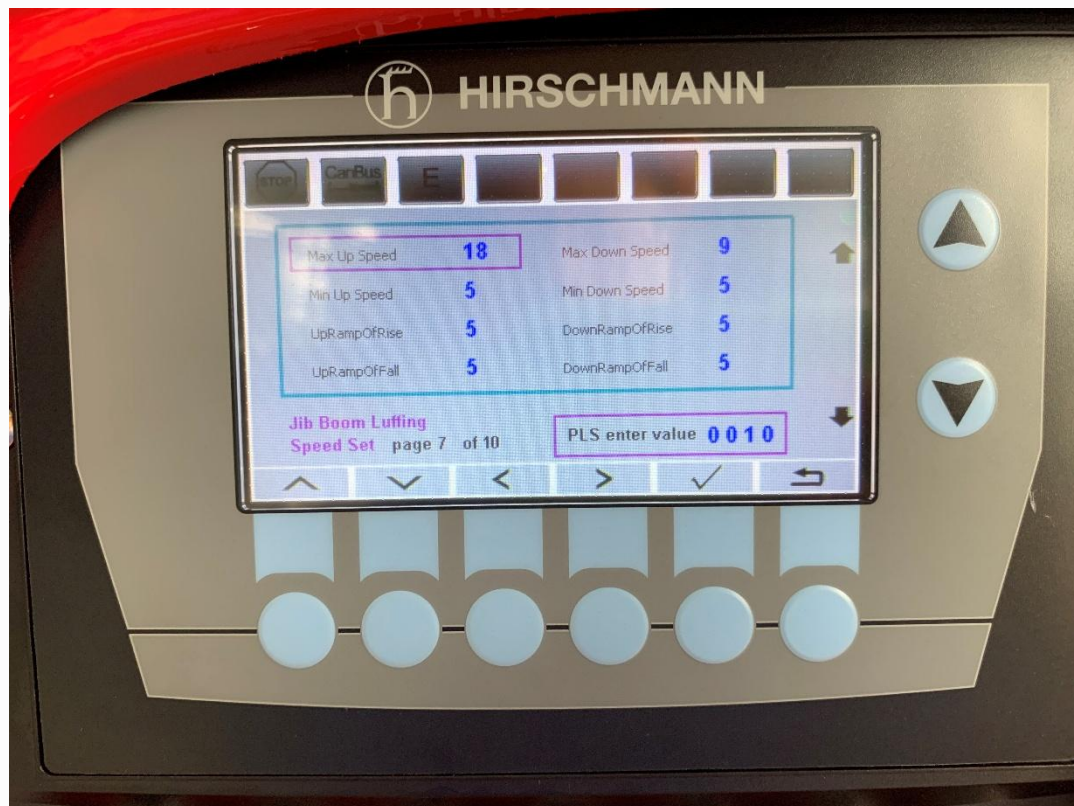
Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



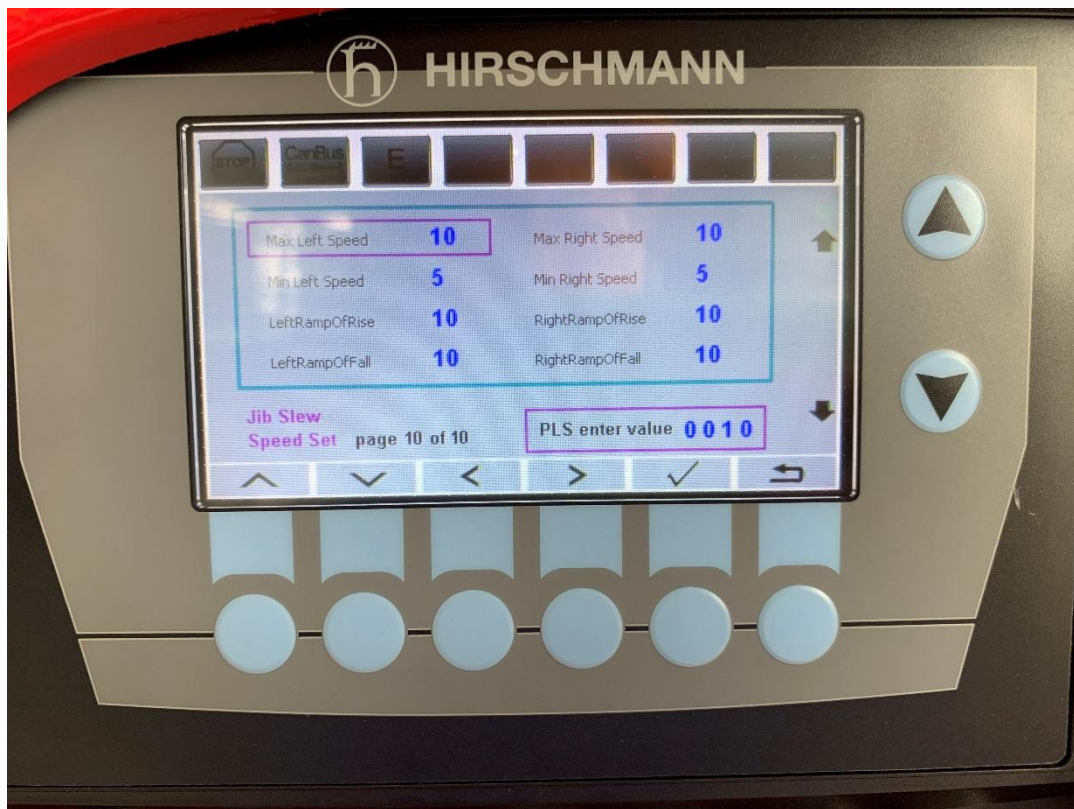
Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

e. Motion parameter set / 速度参数调节



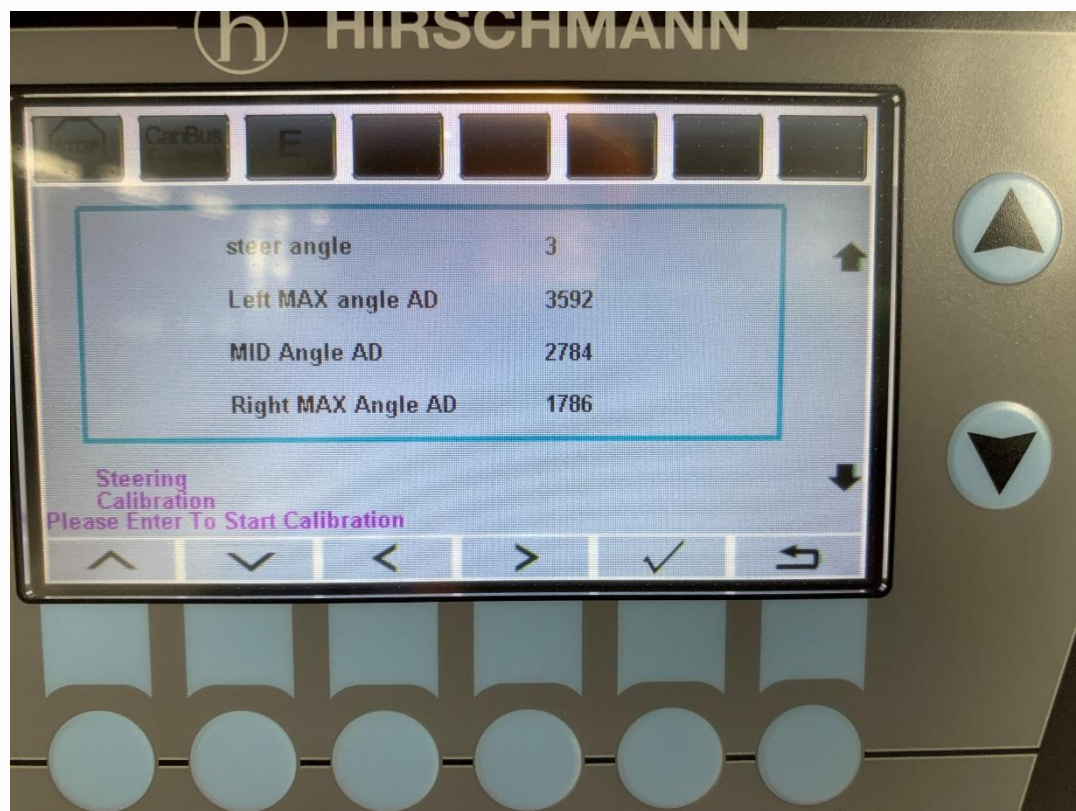
Secondary password / 二级密码: 931870

Service is our business!

2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

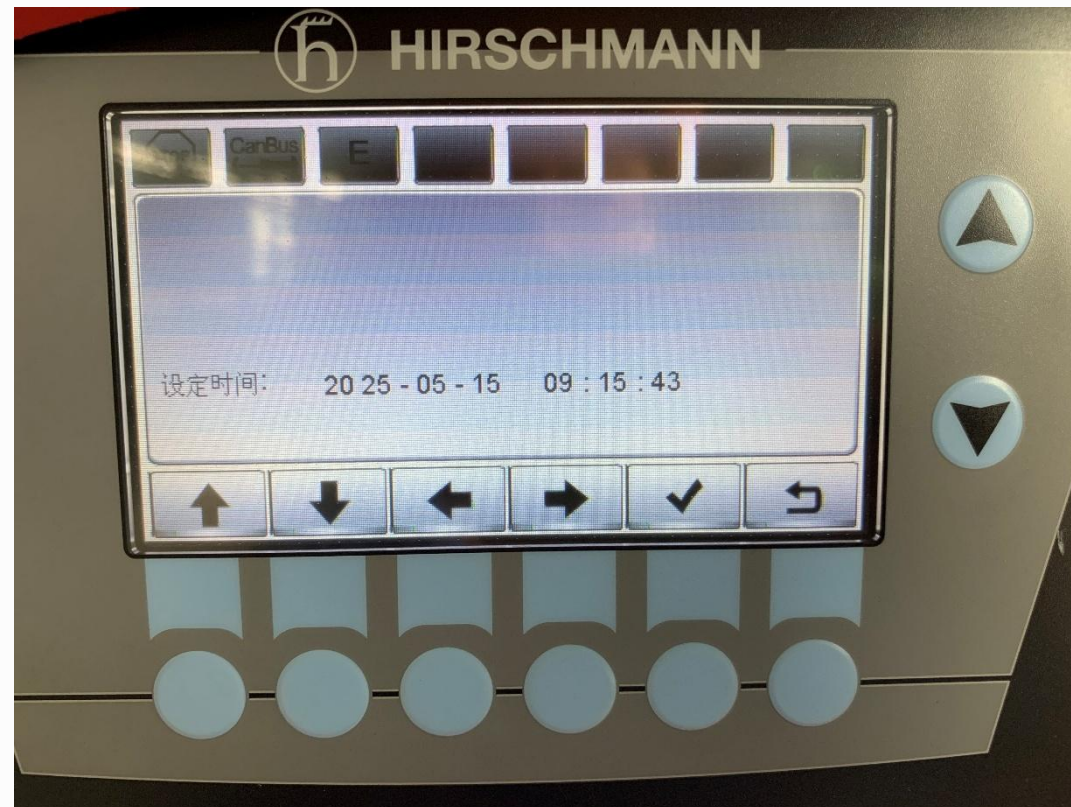
f. Sensor settings / 传感器标定



2. Monitor function (显示屏功能介绍)

1.) Setting Menu / 设置信息

g. Time setting / 时间设置



2. Monitor function (显示屏功能介绍)



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2.) CAN / 总线



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2. Monitor function (显示屏功能介绍)

2.) CAN / 总线

a. CAN BUS status / CAN总线通讯连接状态

b. Language select / 语言选择



2. Monitor function (显示屏功能介绍)

3.) Turntable IO / 转台端口



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2. Monitor function (显示屏功能介绍)

3.) Turntable IO / 转台端口

a. Turntable controller Input & Output signal / 转台控制器输入 & 输出信号查询



2. Monitor function (显示屏功能介绍)

3.) Turntable IO / 转台端口

a. Turntable controller Input & Output signal / 转台控制器输入 & 输出信号查询



Service is our business!

2. Monitor function (显示屏功能介绍)

3.) Turntable IO / 转台端口

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3.) Turntable IO / 转台端口

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2. Monitor function (显示屏功能介绍)

3.) Turntable IO / 转台端口

a. Turntable controller Input & Output signal / 转台控制器输入 & 输出信号查询



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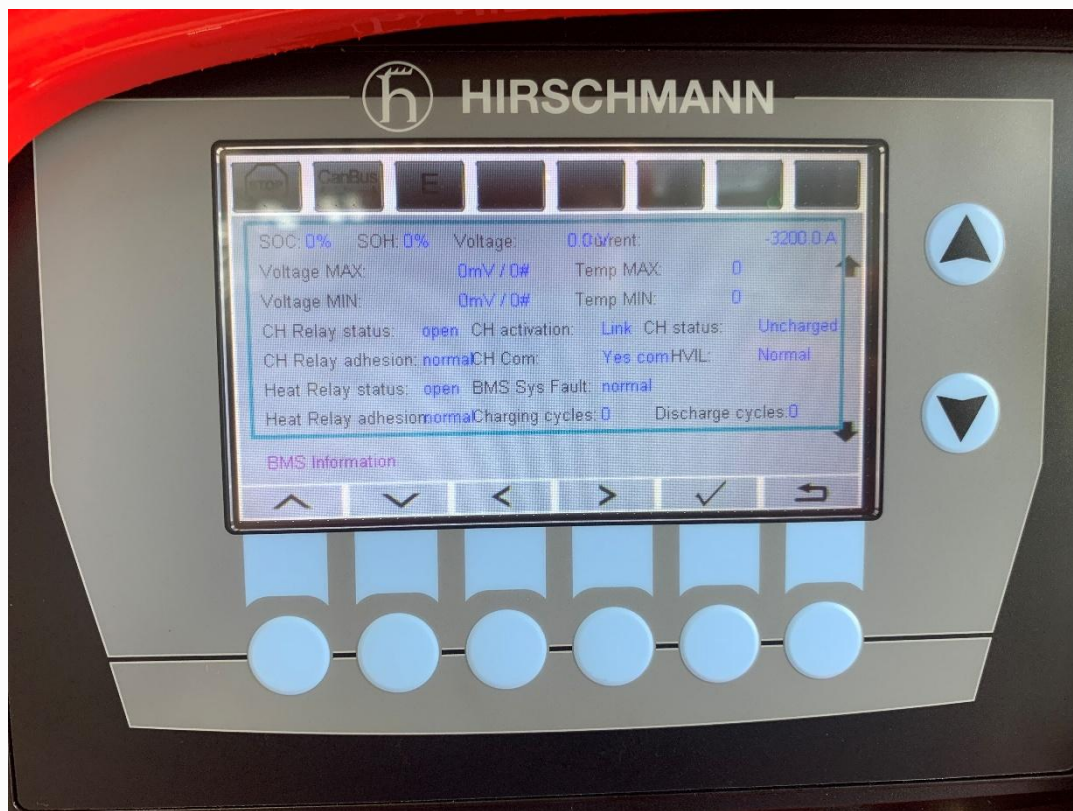
2. Monitor function (显示屏功能介绍)



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3.) Turntable IO / 转台端口

b. BMS information / BMS信息



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2. Monitor function (显示屏功能介绍)

4.) Platform IO / 平台端口



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2. Monitor function (显示屏功能介绍)

4.) Platform IO / 平台端口

a. Platform Input & Output CAN signal / 平台输入 & 输出 CAN 信息查询



2. Monitor function (显示屏功能介绍)

4.) Platform IO / 平台端口

a. Platform Input & Output CAN signal / 平台输入 & 输出 CAN 信息查询



2. Monitor function (显示屏功能介绍)

4.) Platform IO / 平台端口

a. Platform Input & Output CAN signal / 平台输入 & 输出 CAN 信息查询



2. Monitor function (显示屏功能介绍)

5.) Main Controller information / 驱动器信息



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2. Monitor function (显示屏功能介绍)

5.) Main Controller information / 驱动器信息

a. Pump Controller information / 泵控制器信息



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2. Monitor function (显示屏功能介绍)

5.) Main Controller information / 驱动器信息

b. Drive Controller information / 行走控制器信息



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2. Monitor function (显示屏功能介绍)

6.) Fault information / 故障信息



2. Monitor function (显示屏功能介绍)

6.) Fault information / 故障信息

a. Current error code display / 当前故障显示界面



2. Monitor function (显示屏功能介绍)

F.) Fault information / 故障信息

2. Error query list / 故障代码查询列表



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2. Monitor function (显示屏功能介绍)

6.) Fault information / 故障信息

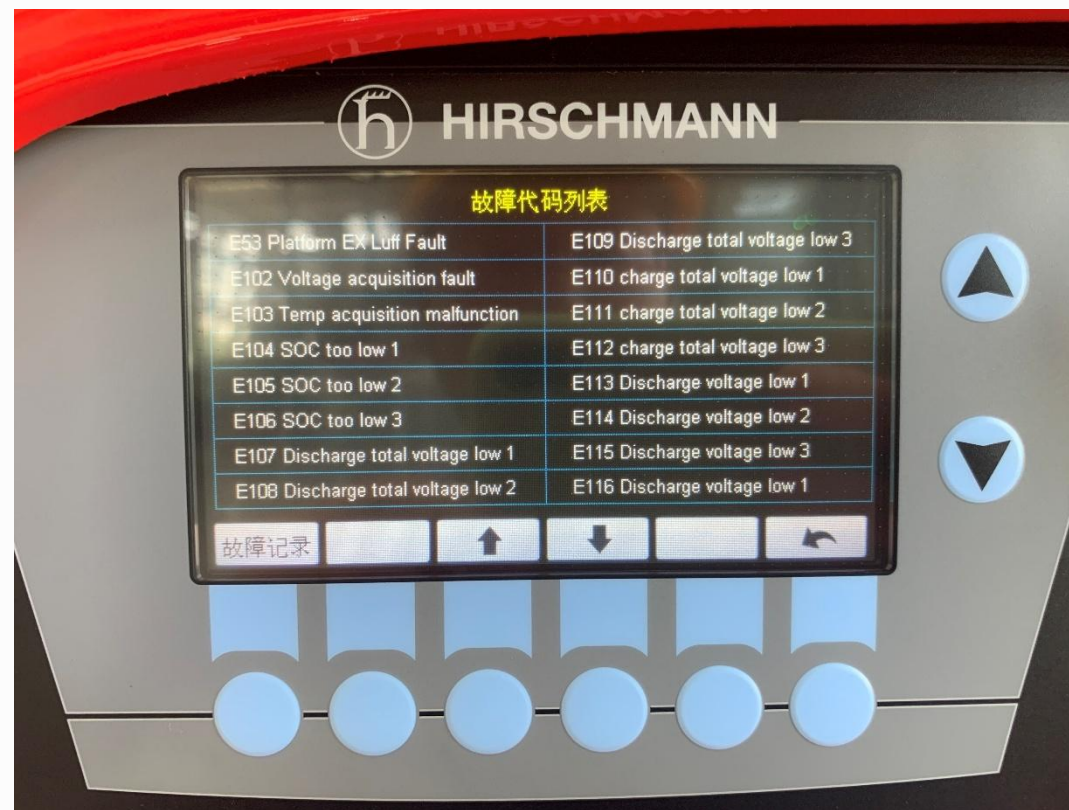
b. Error query list / 故障代码查询列表



2. Monitor function (显示屏功能介绍)

6.) Fault information / 故障信息

b. Error query list / 故障代码查询列表



2. Monitor function (显示屏功能介绍)

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2. Monitor function (显示屏功能介绍)

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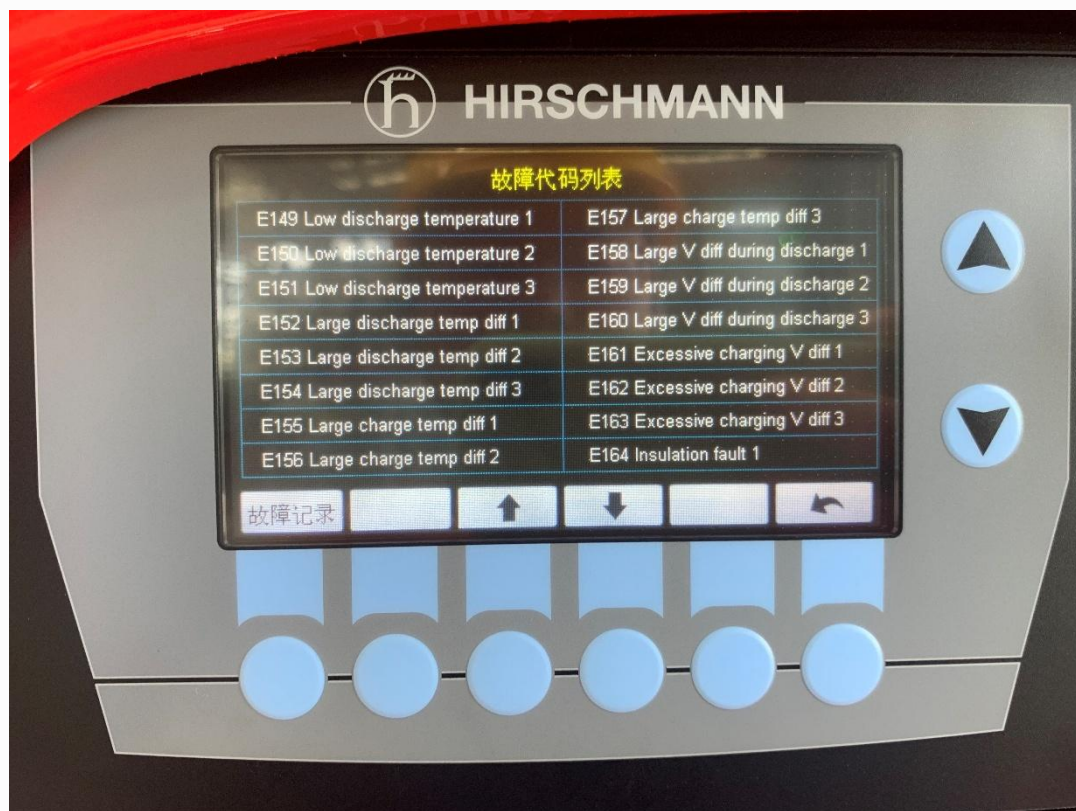
b. Error query list / 故障代码查询列表



2. Monitor function (显示屏功能介绍)

6.) Fault information / 故障信息

b. Error query list / 故障代码查询列表



2. Monitor function (显示屏功能介绍)

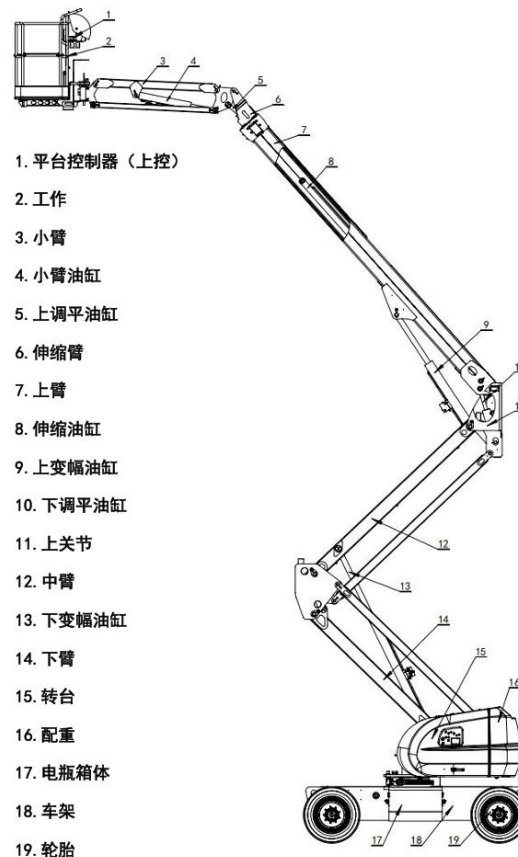
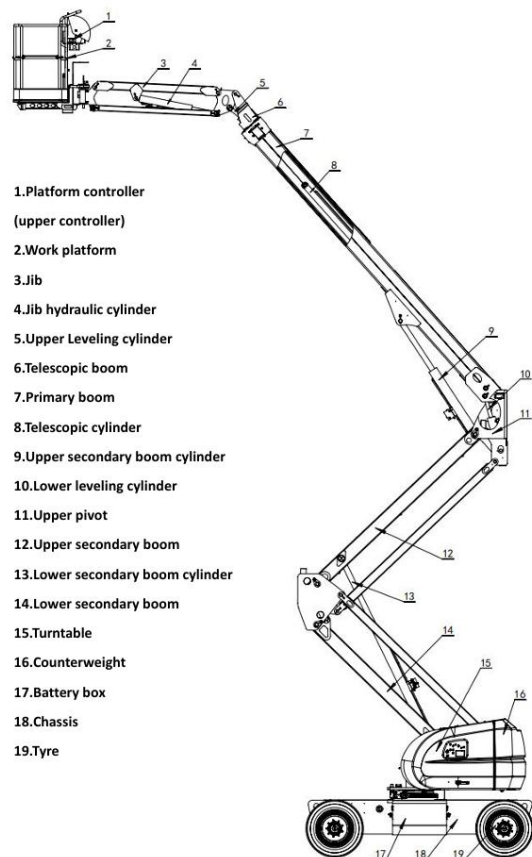
6.) Fault information / 故障信息

b. Error query list / 故障代码查询列表



3. Operation instruction (操作介绍)

1.) Mechanical structure / 机械结构



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3. Operation instruction (操作介绍)

2.) Control / 控制器



Turntable control / 转台控制器

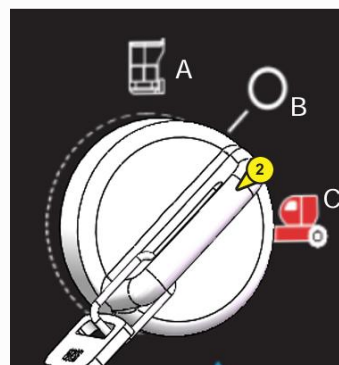


Platform control / 平台控制器

3. Operation instruction (操作介绍)

2.) Control / 控制器

a. Turntable control / 转台控制器



A: Platform operate select / 平台操作

B: Off / 控制系统关闭

C: Turntable operate select / 转台操作

1	Resettable fuse / 自复位保险丝
2	Main boom luffing / 一臂变幅
3	Second boom luffing / 二臂变幅
4	Second boom telescopic / 二臂伸缩
5	Turntable Rotation / 转台回转
6	Jib luffing / 摆臂变幅
7	Platform rotation / 围栏回转
8	Platform level / 围栏调平
9	Turntable joystick / 下车手柄

Turntable controller IO 5/5			
49	DI9 Turntable operation	☒	55 DI15 Platform rotation select
50	DI10 Mainboom luff select	☐	56 DI16 Platform level select
51	DI11 Secondboom luff select	☐	57 AI1 Joystick 2504
52	DI12 Secondboom tele select	☐	58
53	DI13 Turntable rotation select	☐	59
54	DI14 Jib luff select	☐	60

转台控制器IO查询 5/5			
49	DI9 下车操作模式	☒	55 DI15 围栏回转选择
50	DI10 一臂变幅选择	☐	56 DI16 围栏调平选择
51	DI11 二臂变幅选择	☐	57 AI1 下车手柄 2504
52	DI12 二臂伸缩选择	☐	58
53	DI13 炮塔回转选择	☐	59
54	DI14 摆臂变幅选择	☐	60

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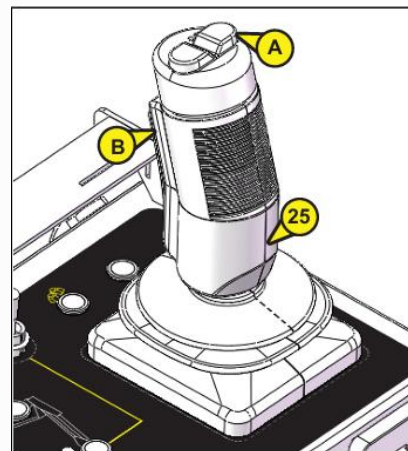
3. Operation instruction (操作介绍)



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2.) Control / 控制器

b. Platform control / 平台控制器



A: Steer Left & Right / 左 & 右转向
B: Enable / 手柄使能

1	Walk select / 行走选择
2	Main boom luffing / 一臂变幅
3	Upper boom luffing / 二臂变幅
4	Boom telescopic / 二臂伸缩
5	Jib luffing / 摆臂变幅
6	Platform level / 围栏调平
7	Platform & Turntable rotation / 围栏 & 平台回转
8	Overload lamp / 超载及报警指示灯
9	Tilt lamp / 倾斜指示灯

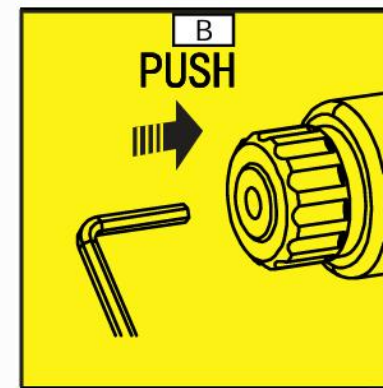
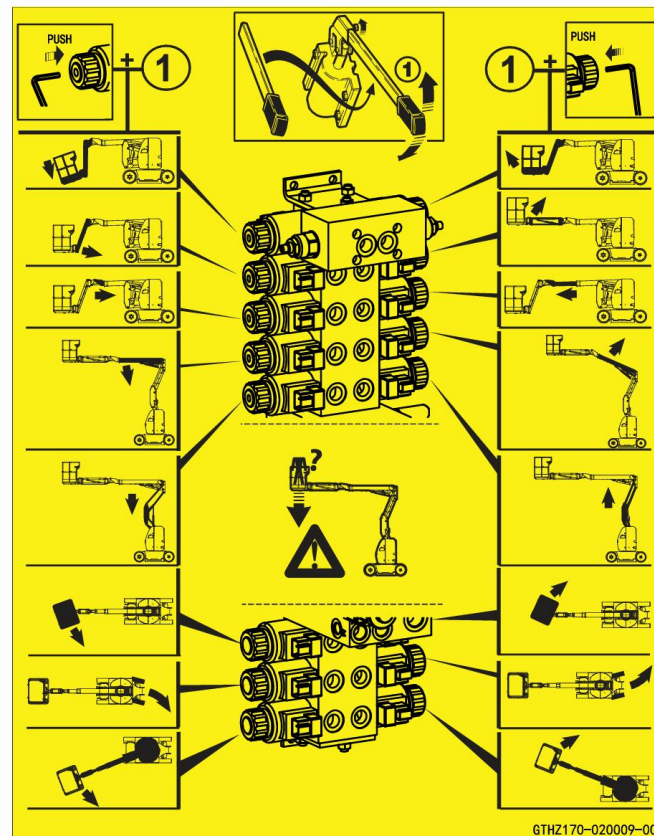
Platform IO-CAN 2/3			
A2	DI1 Walk select	J2	DI7 Platform rotation select
F2	DI2 Mainboom luff select	E2	DI8 Turntable rotation select
G2	DI3 Secboom luff select	C2	DI9 Horn
H2	DI4 Secboom tele select	E3	DI10 Load switch1
M4	DI5 Jib luff select	F3	DI11 Load switch2
K2	DI6 Platform level select		

平台IO-CAN板查询 2/3			
A2	DI1 行走选择	J2	DI7 围栏回转选择
F2	DI2 一臂变幅选择	E2	DI8 炮塔回转选择
G2	DI3 二臂变幅选择	C2	DI9 喇叭
H2	DI4 二臂伸缩选择	E3	DI10 超载开关1
M4	DI5 摆臂变幅选择	F3	DI11 超载开关2
K2	DI6 围栏调平选择		

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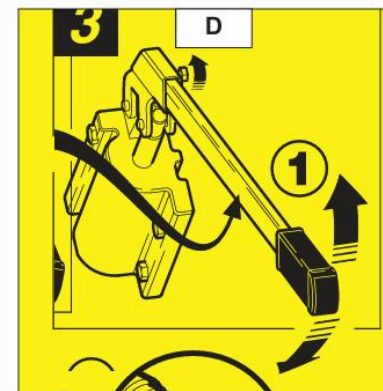
3. Operation instruction (操作介绍)

3.) Emergency operate / 应急操作



In the event of accident or breakdown
If an accident or a breakdown occurs, which renders the electrical boxes unusable, the machine is provided with systems performing all the movements manually.

- To execute one of the platform's movements, you must push the tool into the solenoid valve and pump by manual



在设备发生事故或故障时

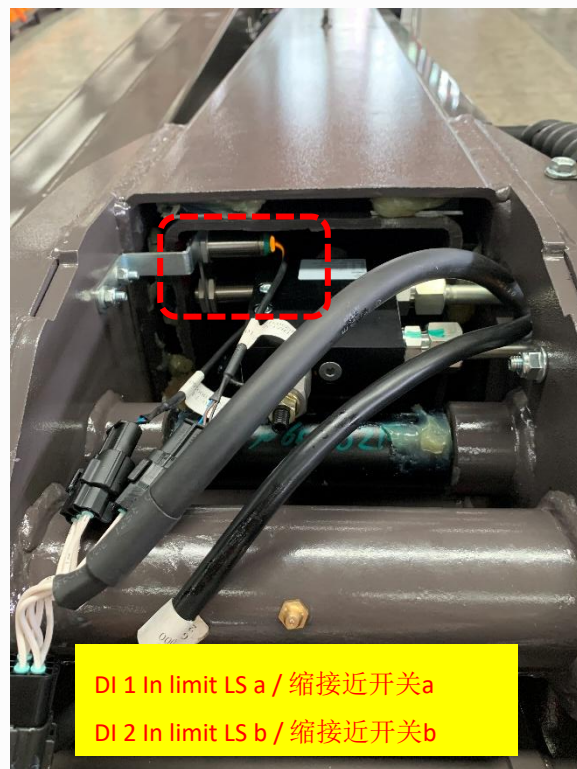
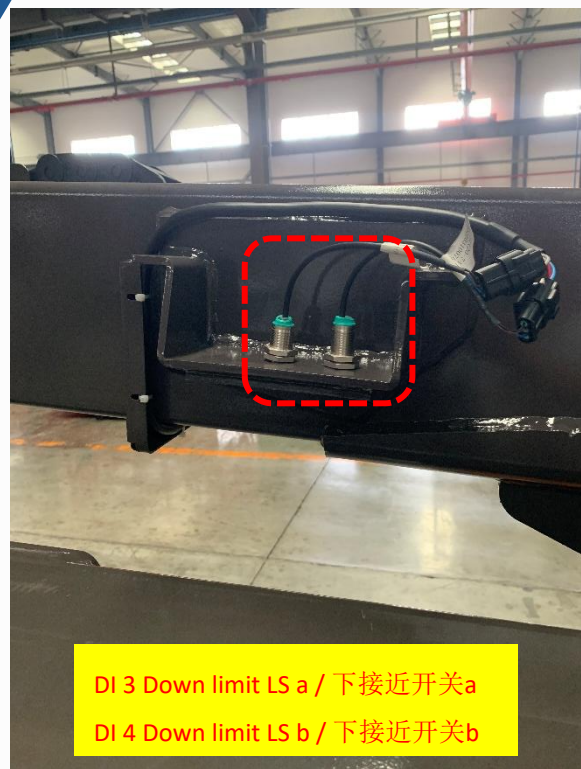
当设备遇到故障无法使用控制盒进行操纵时，可以使用手动释放的方法实现所有动作

- 当设备需要做动作时，您需要拧松主液压阀上与该动作相关的电磁阀并同时上下摇动手动泵

3. Operation instruction (操作介绍)

4.) Sensor / 传感器

a. Proximity limit switch / 接近开关



When the machine can't detect the proximity limit sensor, means the machine is on-working condition, the driving speed will be automatic changed to slow mode

当设备检测不到接近开关信号时，设备默认为处于工作状态，此时行走速度将自动变为慢速

3. Operation instruction (操作介绍)

4.) Sensor / 传感器

b. Overload sensor / 超载开关

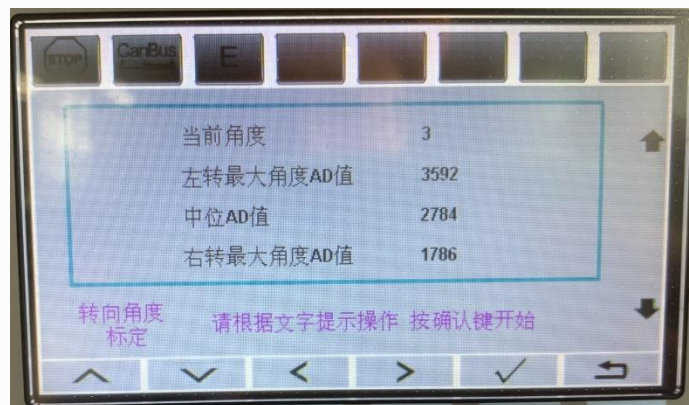
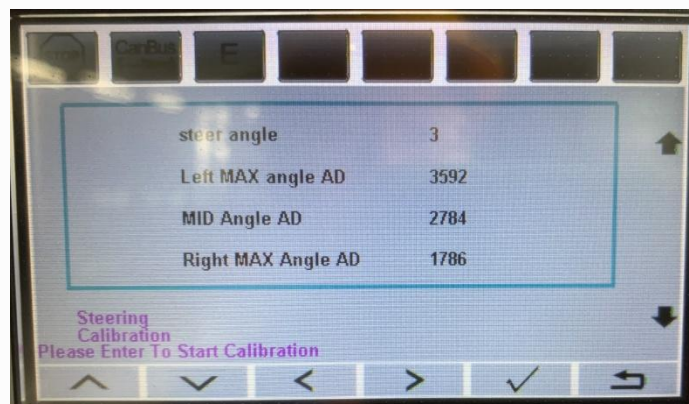


When the overload is inaccurate, the overload lamp turned on and alarm, machine will limit all the movement, in this case, adjust the sensor. 当设备超载提示异常报警时, 设备将会限制所有动作, 此时需要进行对传感器触点进行调节

3. Operation instruction (操作介绍)

4.) Sensor / 传感器

c. Steering angle sensor / 转向角度传感器



When the left & right driving is unsynchronous, re-calibration Steering
当设备转向轮速度不同步时，需要重新标定转向角度

3. Operation instruction (操作介绍)

4.) Sensor / 传感器

d. Tilt switch / 倾角开关



When tilt is alarm, machine forward or backward; telescopic boom extend; boom luffing upper function are all invalid

在报警状态下，设备前进、后退；伸缩臂伸出；变幅向上功能失效

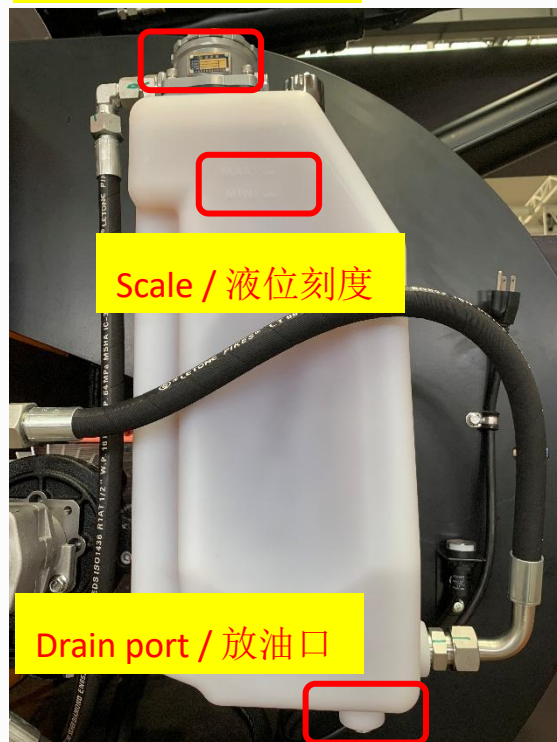
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4.Maintenance instruction (保养须知)

1.) Hydraulic oil / 液压油保养



Filter / 滤清



Scale / 液位刻度

Drain port / 放油口

Max. scale / 最高液位

Min. scale / 最低液位

Maintenance details:

Initial maintenance : 50H

Period maintenance : 100H or annual

Hydraulic oil type : L-HM46

保养须知

首保: 50小时

保养周期: 100小时 或 每年 ,以先到为准

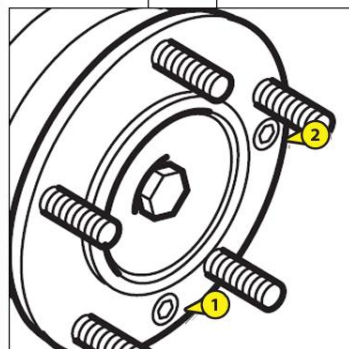
液压油型号: L-HM46

Capacity / 容量 : 12L

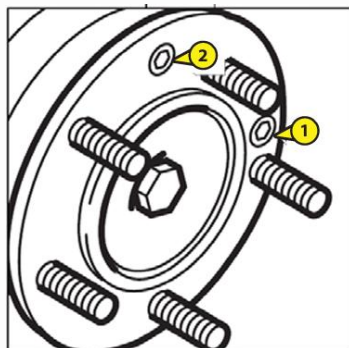
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4.Maintenance instruction (保养须知)

2.) Reducer oil / 齿轮油保养



Drain position / 放油位置



Fill position / 加油位置

Maintenance details:

Initial maintenance : 50H

Period maintenance : 100H or annual

Reducer oil type : SPIRAX-A80W90

Capacity : 0.8L*2

保养须知

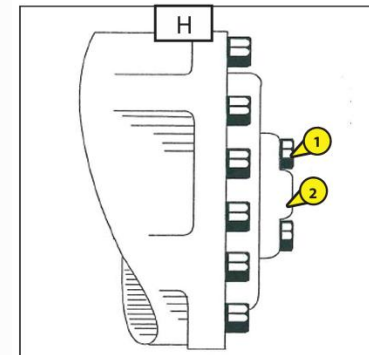
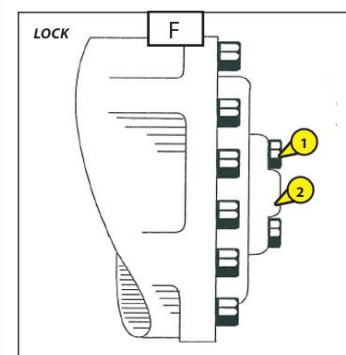
首保: 50小时

保养周期: 100小时 或 每年 ,以先到为准

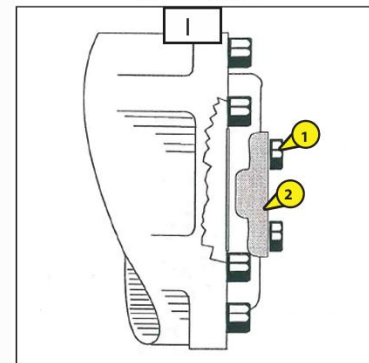
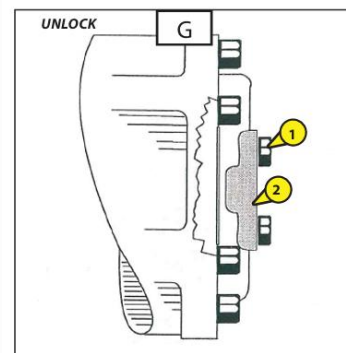
齿轮油型号: SPIRAX-A80W90

齿轮油容量 : 0.8L*2

Brake release / 行走释放



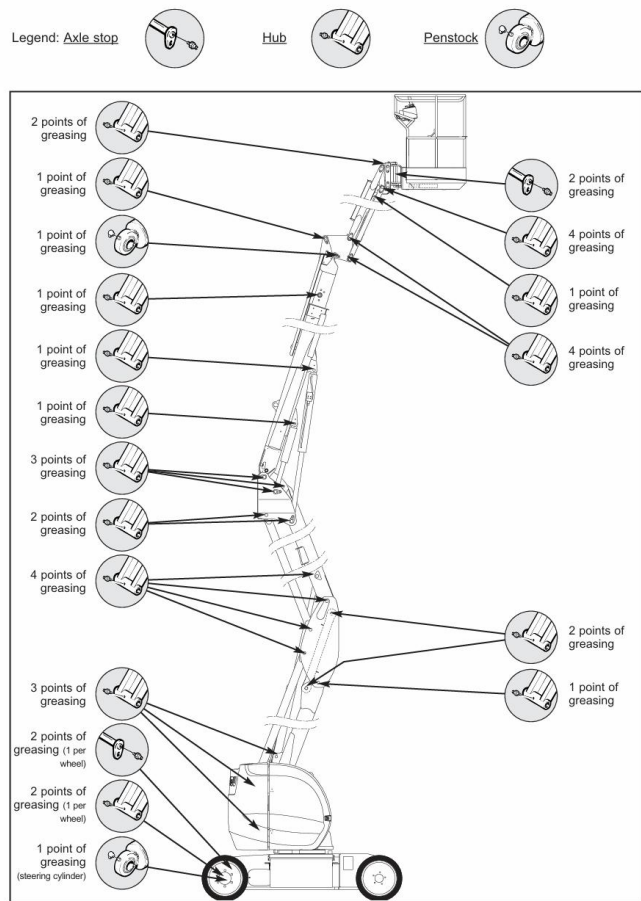
啮合状态



分离状态

4.Maintenance instruction (保养须知)

3.) Lubricate / 润滑



Lubricate details:

Period : 50H

润滑周期

周期: 50小时

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THE CATALOGUE AERIAL WORKING EQUIPMENTS

Work height: 1.0~63m



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