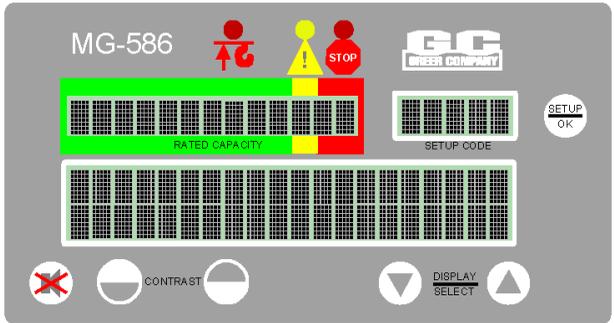
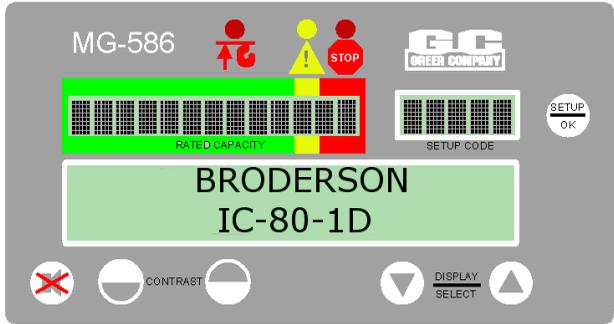


1. System Self-Test: begins when turned on.

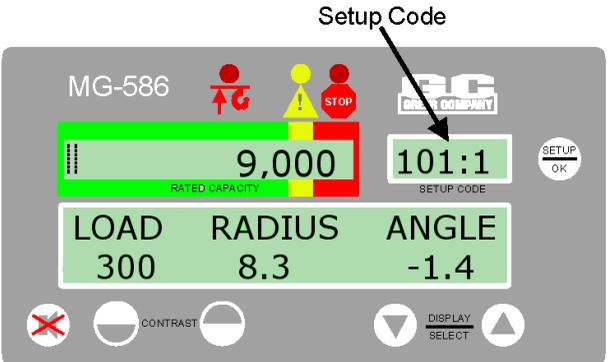
- Alarm indicators light up
- Display windows appear black
- Audible alarm sounds



The crane model is displayed.



Next, the setup code window displays the last configuration when powered off. Check that the correct setup code is displayed before operating the crane.



2. Configuration Selection : is required

upon system power up; but can also be entered by pressing the **SETUP** key.



Steps:

- 1: O/R or RUBBER?☒**
 - Select **On Outriggers** or **On Rubber**
 - Press **OK**
- 2: ERECTED ATTACHMENT?**
 - Select **NONE** or **10' Boom Extension**
 - Press **OK**
- 3: STOWED ATTACHMENT?**
 - Select **NONE** or **10' Boom Extension**
 - Press **OK**
- 4: PARTS-OF-LINE?**
 - Select **1** OR **2**
 - Press **OK**



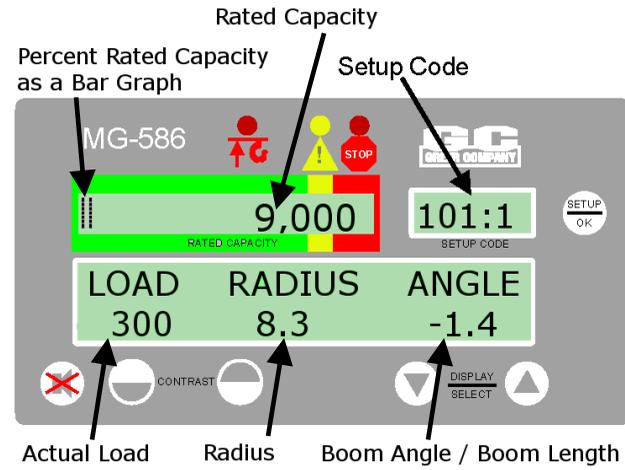
The system will exit the configuration mode and return to the normal operation screen.

Configuration Codes:

<p>100:1 or 100:2 O/R or RUBBER?☒ On Outriggers ERECTED ATTACHMENT? NONE STOWED ATTACHMENT? NONE PARTS-OF-LINE? 1 or 2</p>	<p>101:1 or 101:2 O/R or RUBBER?☒ On Outriggers ERECTED ATTACHMENT? NONE STOWED ATTACHMENT? 10' Boom Extension PARTS-OF-LINE? 1 or 2</p>
<p>If On Rubber is selected in step 1, O/R or RUBBER?, instead of On Outriggers, then configuration codes and selections are the same but in the 200's instead of the 100's: 200:1 or 200:2 201:1 or 201:2 210:1</p>	<p>110:1 O/R or RUBBER?☒ On Outriggers ERECTED ATTACHMENT? 10' Boom Extension</p>

3. Normal Operation

- **"Rated Capacity"** = heaviest load the crane can lift in the current crane configuration.
- **"Percent of Rated Capacity"** = how near the operation is to full capacity and overload. The green zone = normal operating limits.
- **Note:** The displayed capacity will move to the left of the bar graph when the bars value exceeds 60%.

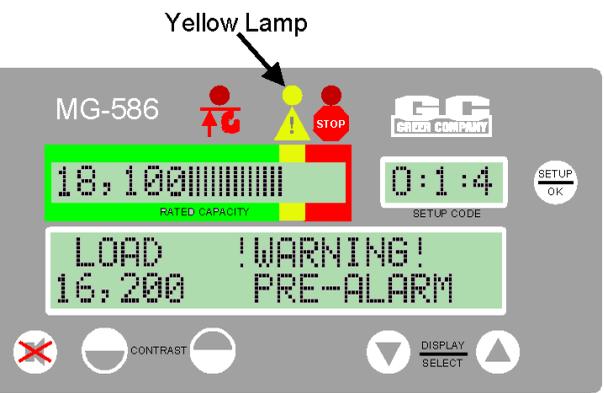


- **"Actual Load"** weight includes the load plus the weight of everything hanging below the boom (hook block, etc.).
- **"RADIUS"** followed by **"ANGLE"/"LENGTH"** of the Boom. The select arrow keys can toggle between Boom ANGLE and LENGTH.
- **Internal faults**, use the select arrow keys to view to the fault messages.

Warning: You must select the correct crane configuration code number for each setup configuration change. Inaccurate or non-selection will result in incorrect calculations of the actual load weight and Percent of Rated Capacity.

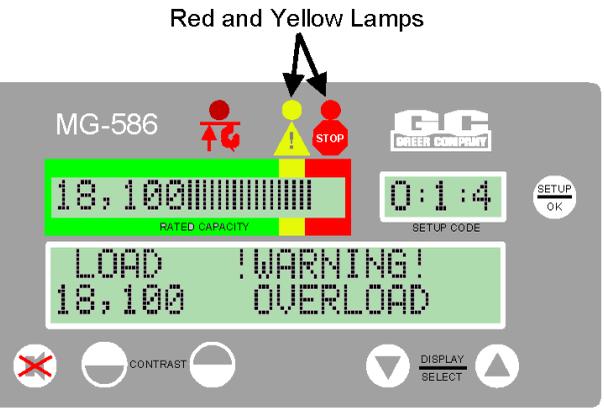
4. Approaching Overload

- At 90% rated capacity, the bar graph enters the caution yellow zone.
- The Yellow Caution zone lamp lights up and an alarm beeps continuously.
- “WARNING! – PRE-ALARM”** will flash.



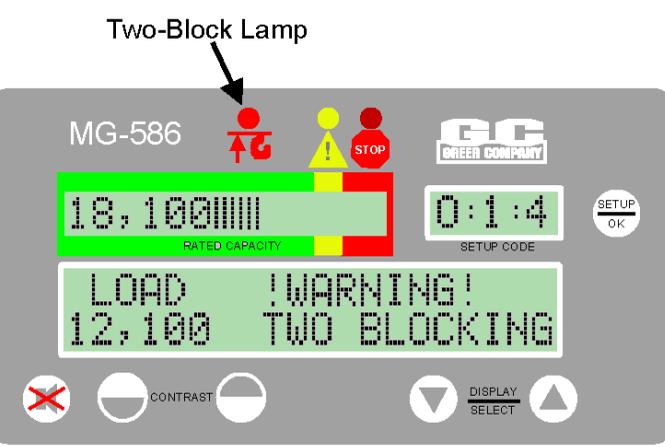
5. Overload

- At 100% rated capacity, the bar graph enters the Red Warning Overload Zone.
- The Red Warning Overload Zone lamp lights up and an alarm sounds continuously.
- Crane motions (boom extend, boom down, and winch up) are cut to prevent damage or injury.
- With the bar graph in the Red Warning Overload Zone, crane motions remain cut.
- “WARNING! – OVERLOAD”** will flash.



6. Two-Block Warning

- A red light appears and an alarm sounds continuously in a Two-Block situation.
- Crane motions (boom extend, boom down, and winch up) are cut to prevent damage or injury.
- “WARNING! TWO BLOCKING”** will appear.



7. Alarm Override

- The button temporarily silences the current alarm and disables automatic motion cutout.
 - The audible alarm will sound again with any new occurrence of alarm.
- To deactivate the audible alarms:**
- press the override button.
 - Continue holding the button down for 5 seconds to cancel any existing motion cuts.
 - The override button must be held down to continue overriding the motion cut.

WARNING:

The alarm override button should be used with caution. Automatic audible alarms warning against overload, two-block dangers, and hazardous tipping conditions are temporarily silenced when this option is activated. Motion cutout may also be discontinued.

MicroGuard 586 Quick Guide



Microguard 586 Rated Capacity Indicator/Limiter System is a visual and audible alert system used in the operation of industrial cranes.

The System is designed to:

- measure and display load weight
- calculate and display max capacity
- calculate and display % rated capacity
- display code configuration numbers
- warn of an approaching overload for each crane configuration.
- warn of a Two-Block condition for each crane configuration.