

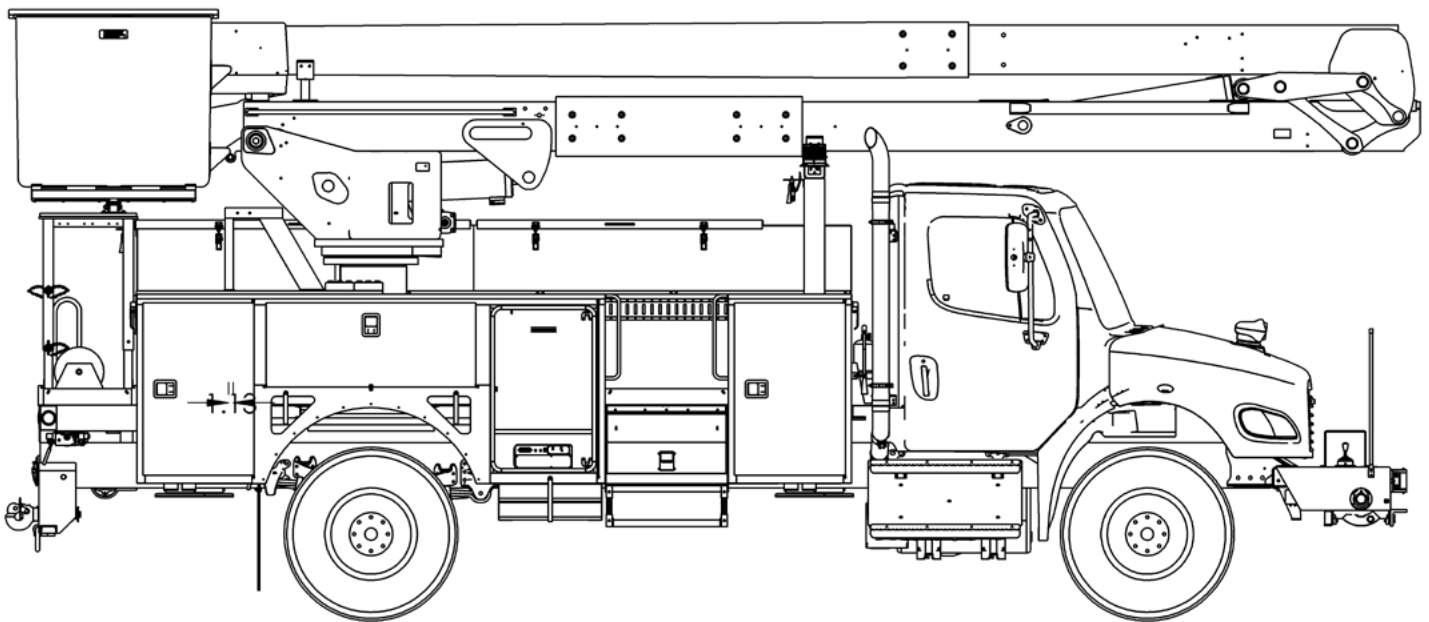


TEREX®

TECH TIPS

SIMPLIFIED LOAD ALERT SYSTEM (LAS) CALIBRATION

NO. 170



**SERVICE CALL:
SIMPLIFIED LOAD ALERT SYSTEM
(LAS) CALIBRATION**



**MODEL(S):
ANY AERIAL UNIT WITH THE
SIMPLIFIED LAS SYSTEM**



**TOOLS NEEDED:
7/16" RATCHET WRENCH
LEVEL**

TEREX UTILITIES TECHNICAL SUPPORT TEAM

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DANGER

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

DO NOT PERFORM MAINTENANCE UNLESS:

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



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STEP 1

Once the unit is set up correctly, remove the cover off the display screen at the lower controls.

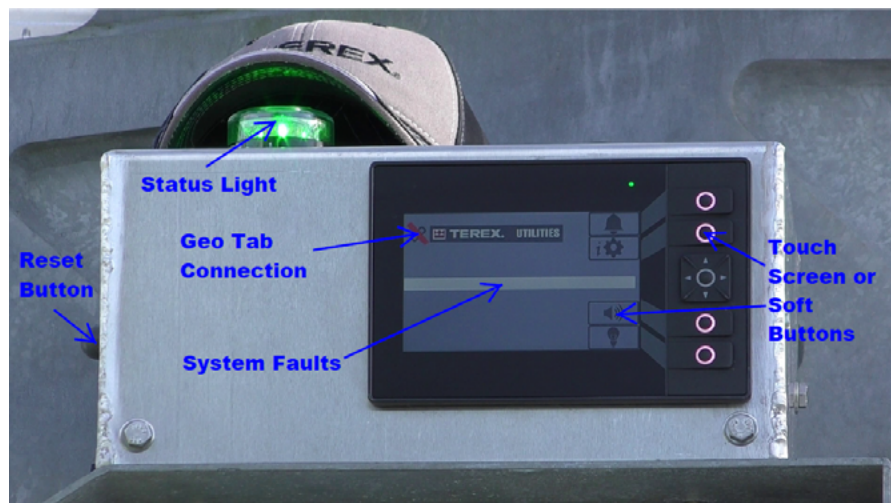
Note: The only reason to access the display is for maintenance and calibration of the system.



STEP 2

At the display screen, verify there are no active alerts or faults to the system. The status light will be green, and no codes displayed in the middle of the screen.

The chain link in the upper left-hand corner of the screen is for Geo Tab. The red bar indicates that the telematics are not connected. When working correctly, the red bar over the chain link will not be there.



STEP 3

Push the button for the audible alarm and the light to verify each are working properly.



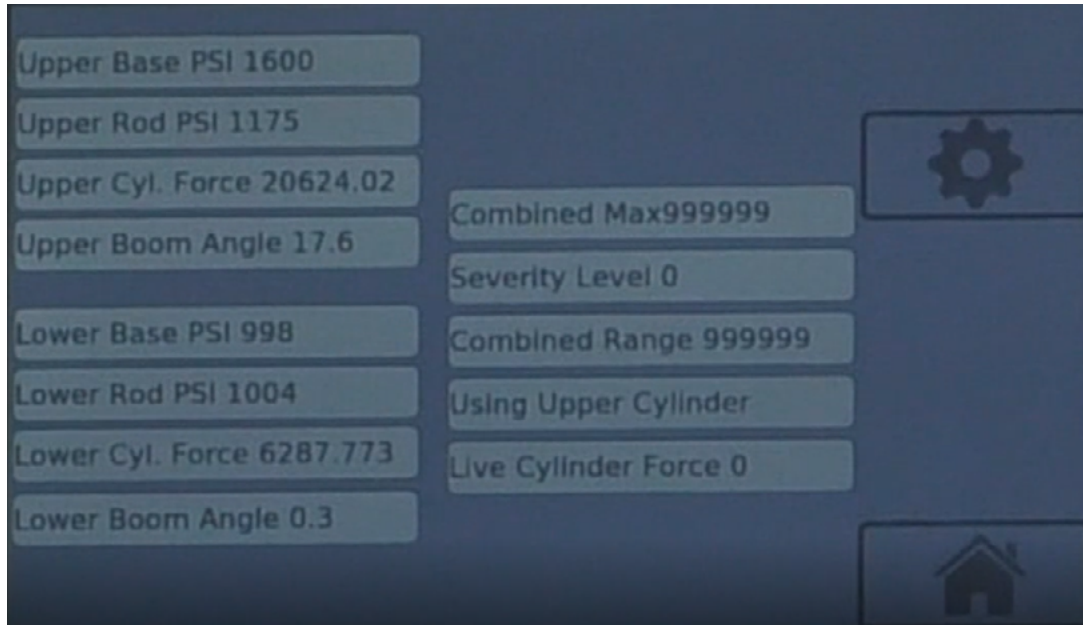
STEP 4

Next push the settings button to advance to the next screen.



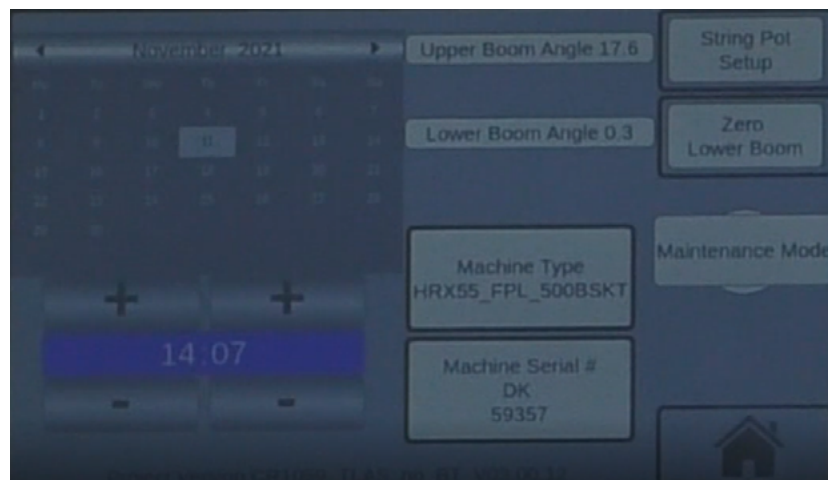
STEP 4 (Continued)

This screen will show the pressure in each cylinder, angle of the booms, and force that is being applied to the boom tip determining the load being lifted.



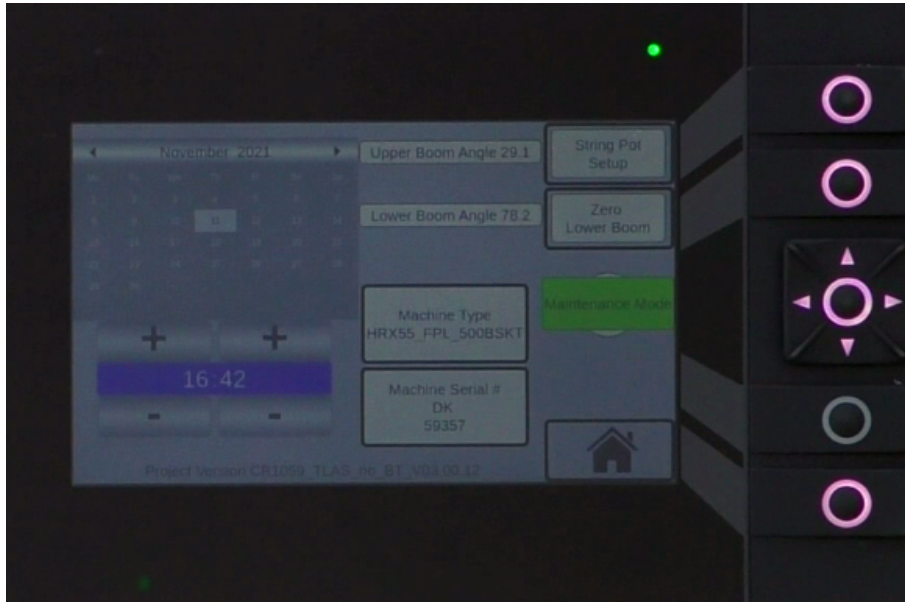
The Combined Max is what is allowed by the load chart depending on the boom angles. In this example, the max is showing 999999 because at this boom angle (lower at 0.3) there is no capacity per the load chart.

Push the setting button again to show the angle sensor screen with the unit info. Verify that the Machine Type and Machine Serial number match. If the information is incorrect, tap on the button that is incorrect and change as necessary.

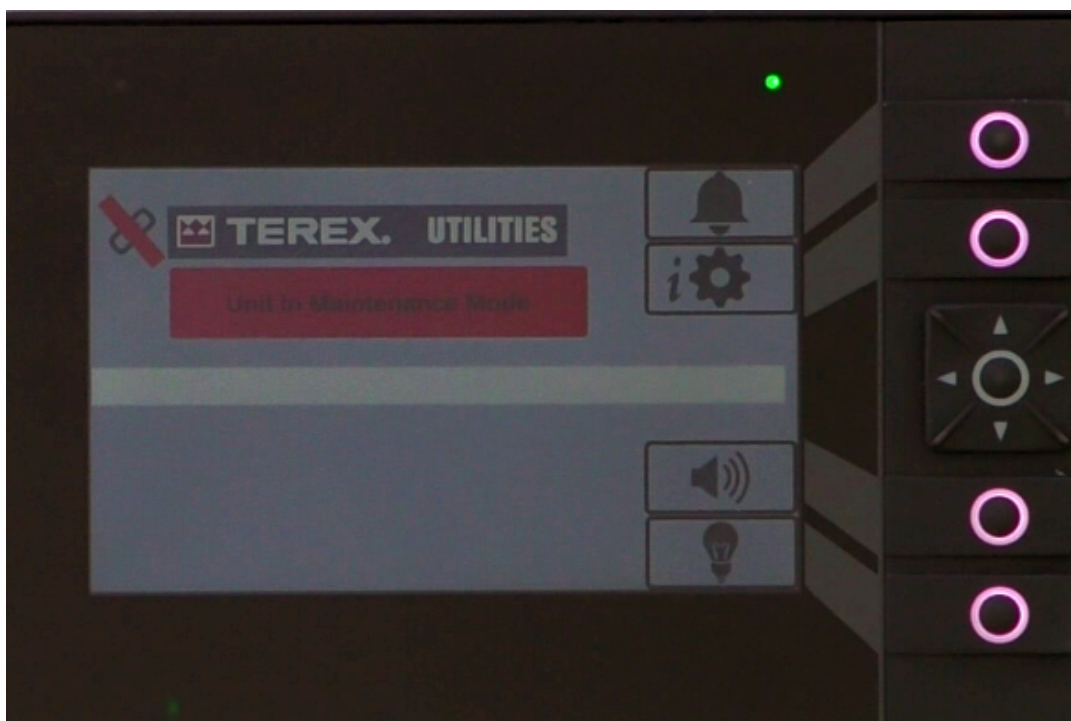


STEP 5

To zero out the angle sensors, push on the display where it says Maintenance Mode. The button will turn green indicating the system is in maintenance mode. This mode will prevent any alerts from being sent out while testing.



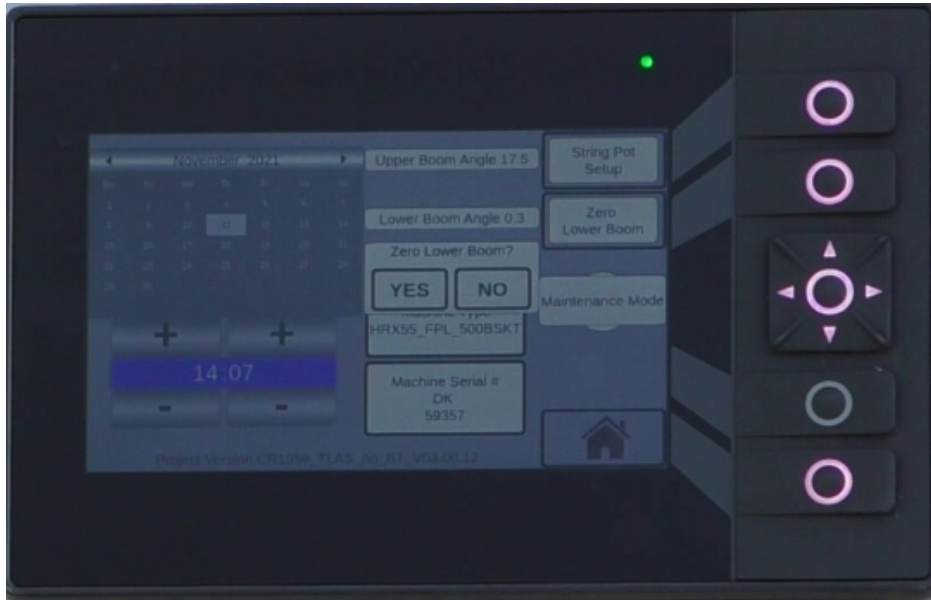
Switching back to the home page is will also display Maintenance Mode.



STEP 6

With a level verify the lower boom is level, then push and hold the Zero Lower Boom button.

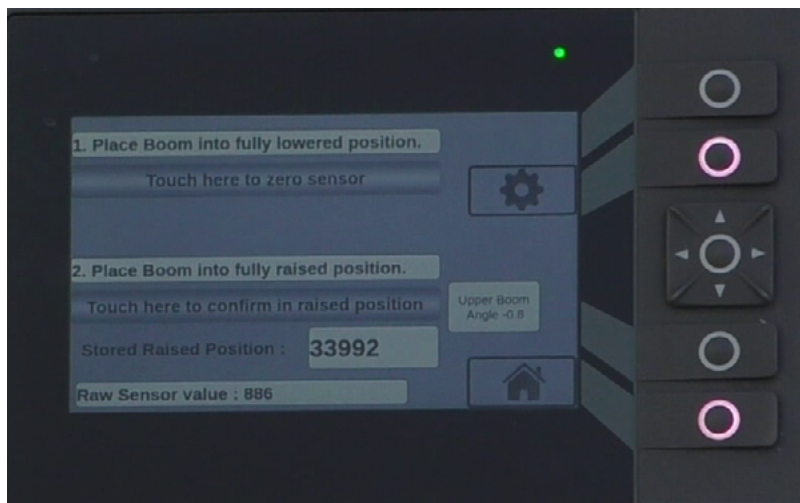
Choose yes to complete the calibration.



STEP 7

Select String Pot Setup. Make sure the upper boom is powered into the rest. Press the button “Touch here to zero sensor”.

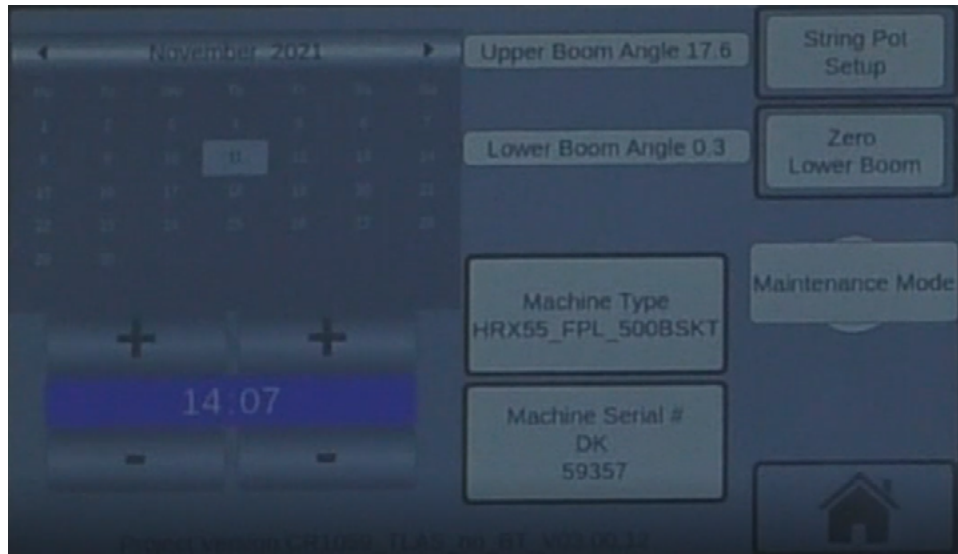
Then raise the upper boom, extending the cylinder completely. The lower boom may need to be raised to accomplish this. Push the button “Touch here to confirm in raised position”. The booms are zeroed out.



STEP 8

If the unit is going to be used immediately, return to the settings screen and push Maintenance Mode to return the system back to normal operation.

Otherwise maintenance mode will turn off when PTO power is cycled.



STEP 9

Store the boom, reinstall the cover over the display, and return the unit back to service.



FOR FURTHER ASSISTANCE,
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM
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