

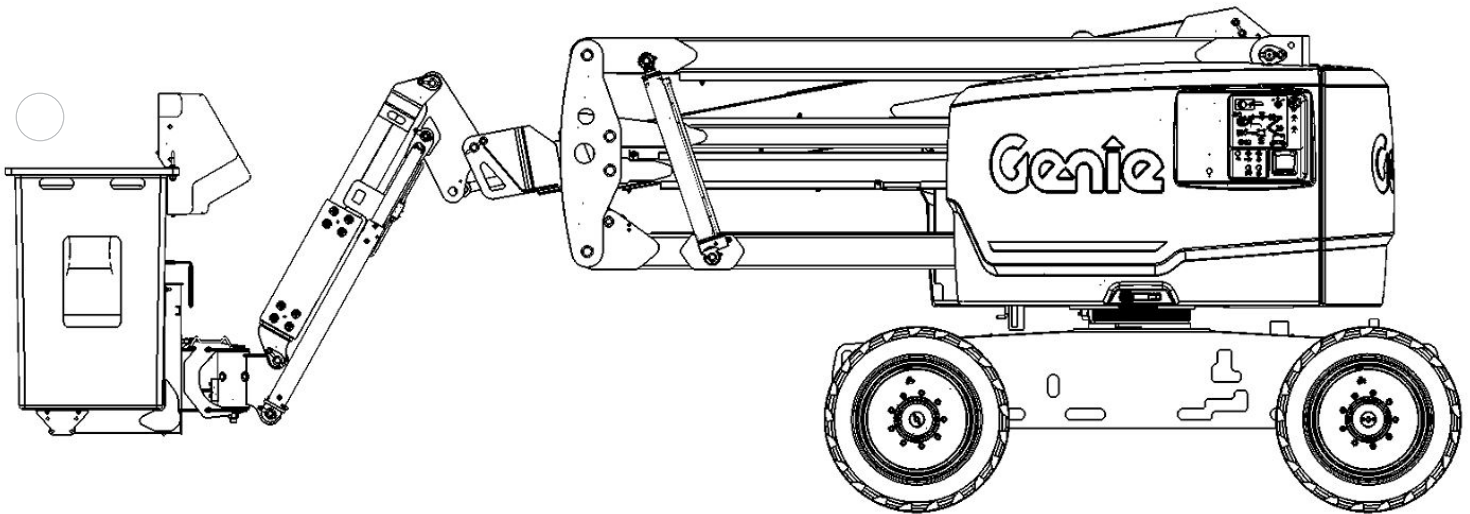


TEREX®

TECH TIPS

SETTING PRELOAD ON A LOAD CELL

NO. 211



SERVICE CALL:
SETTING PRELOAD ON A LOAD
CELL



MODEL(S):
Z45 SUB



TOOLS NEEDED:
7/16" OPEN END WRENCH
SOCKET WRENCH WITH 7/16"
SOCKET
3/4" OPEN END WRENCH
TORQUE SEAL

TEREX UTILITIES TECHNICAL SUPPORT TEAM

PHONE: 1-844-TEREX4U (1-844-837-3948) | EMAIL: UTILITIES.SERVICE@TEREX.COM



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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INTRODUCTION

If a load cell must be replaced due to damage or failure, a preload will need to be applied to it before it can be calibrated.

If the preload is too much or too little, the load cell will not calibrate, and a load cell fault (7617) will be displayed on the screen and the unit will not start.

STEP 1

Determine if the unit has a cutout to access the load cell thru the platform.

If the Manual box is located to the left of the enable pedal, towards the center of the platform, there should be an access hole already there, proceed to step 2. **Figure 1**

If the Manual box is located off to the right of the enable pedal, contact Terex Utilities at 1-844-837-3947 for work instructions to cut the access hole and remount the manual box in the center of the platform.



FIGURE 1

STEP 2

Remove the manual box to access the load cell. This may require two people.



FIGURE 2

STEP 3

Remove the old load cell. If the new load cell did not come with a foot, then remove the old foot and screw it into the new load cell. Make sure the arrow on the load cell is pointing in the right direction.

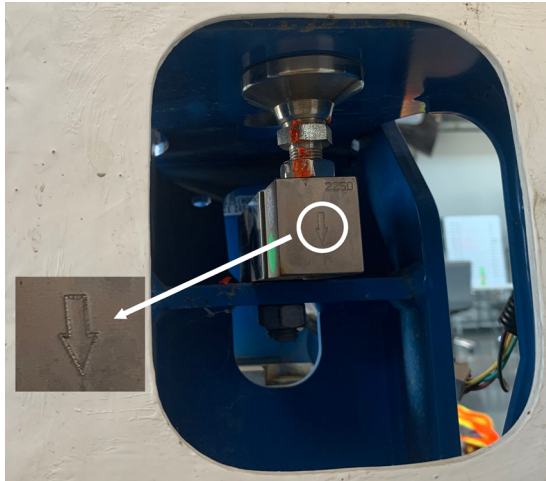


FIGURE 3

STEP 4

Mount the new load cell. **Figure 4**

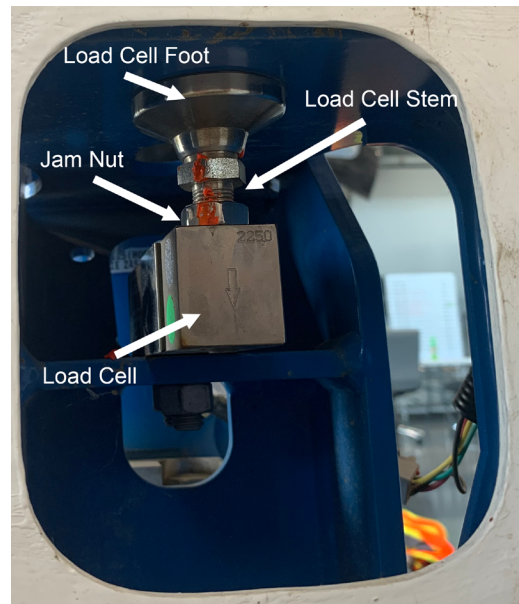


FIGURE 4

STEP 5

By hand, screw the foot up until it contacts the platform bracket. After the foot contacts the bracket, turn it slightly more until the stem inside the foot makes contact.

STEP 6

Take a $\frac{3}{4}$ " wrench and turn the stem one more $\frac{1}{2}$ turn and lock the jam nut down.

STEP 7

With the preload set properly the unit will need to be calibrated to zero and with a full load following the instructions in Tech Tip #209.

STEP 8

Now that the load cell has the proper preload and is calibrated to zero and full load, mark the stem and jam nut with torque seal to provide indication of movement of the stem during use or transportation.

STEP 9

Reinstall the manual box and verify the proper manuals are located inside the box.



FOR FURTHER ASSISTANCE,
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM
PHONE: **1-844-TEREX4U (1-844-837-3948)** | EMAIL: [**UTILITIES.SERVICE@TEREX.COM**](mailto:UTILITIES.SERVICE@TEREX.COM)
