



# APE SERVICE BULLETIN

## DEEP FOUNDATION SOLUTIONS

VIBRATORY HAMMER • POWER UNIT • AUGER SYSTEMS • DIESEL & HYDRAULIC HAMMERS  
• DRILL RIGS • HYDRAULIC PILING RIGS • WICK DRAIN INSTALLERS • LEAD SYSTEMS



# #54 SETTING UP HIH CONTROL/BLOW COUNT BOX

## SET UP INSTRUCTIONS

- First switch ignition to “Run” (you can have the power unit running or just the ignition switch on)
- Turn switch from “Local” to “Pendant” This will power up the blow count box
- Open the blow count box cover
- Inside the blow count box you can set up the blow count box from there.
- Using the down arrow, scroll down until the screen shows a flashing “APE” menu.
- Press “ESC” button to enter menu screen. (See image 1.)
- Highlight the “Program” slot and hit “OK” (See image 2.)
- Highlight and select “Set Parameter” (See image 3.)
- From this screen you will primarily focus on “Stroke Time” and “Dwell Time” (See image 4.)
- We will first set “Stroke Time” this will control how the high ram will go before dropping. From this point you will want to be in a position to run the hammer. (See image 5.)
- While running we want to watch to see if the ram over strokes, if so we will turn down the dial and watch the relation. (See image 6.)

Image 1.

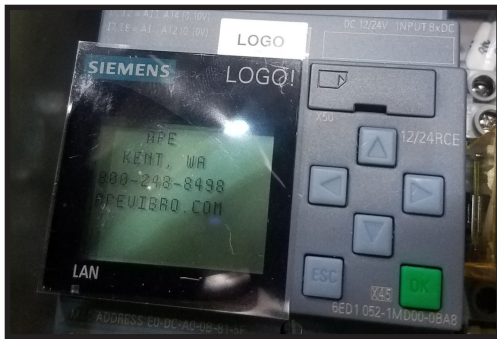


Image 2.

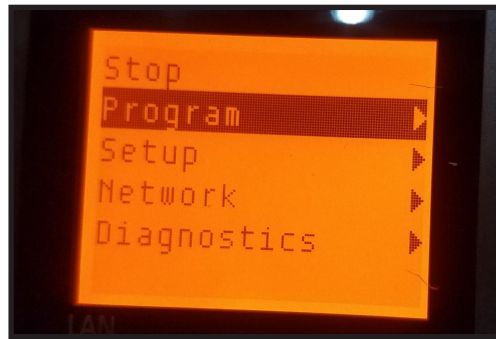


Image 3.

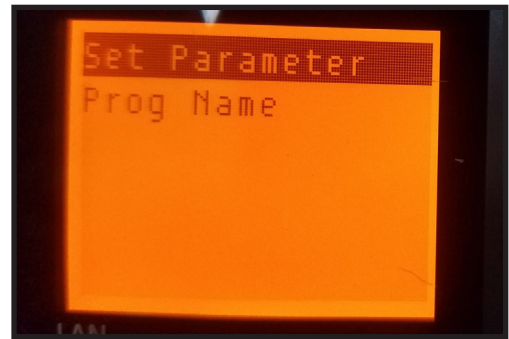


Image 4.

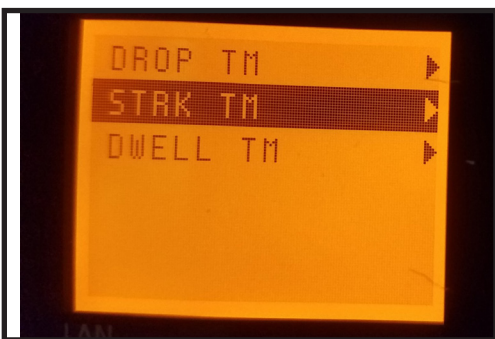


Image 5.

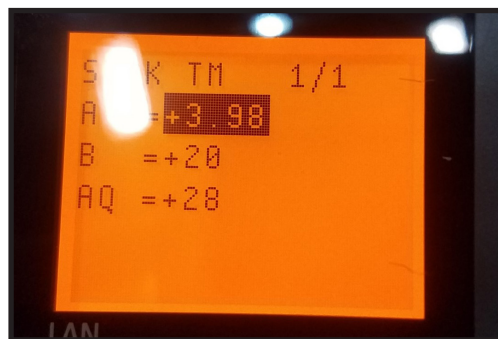


Image 6.



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# #54 SETTING UP HIH CONTROL/BLOW COUNT BOX

## SET UP INSTRUCTIONS / TROUBLESHOOTING

- If the “Stroke” dial is turned up but the ram does not full reach the top we will need to increase the “A” number. Highlight “A” row press ok, it should blink over the “+” symbol. Move the curser to the most right digit using the right arrow then adjust the number using the up and down arrows. \*Note\* going from 9 to 0 does not roll over the other numbers and will need to adjust other place digits accordingly\*
- If the ram hits the top prior to the dial being fully turned we will want to decrease the “A” number using the same method stated above.
- Once the ideal stroke is acquired hit “ESC” to go back to select screen.
- Highlight and select “Dwell Time”
- “Dwell Time” works much like “Stroke time” both in the setting screen and the dial.
- Setting the “Dwell” is setting the resting time. How long the ram sits before being lifted again by the “Stroke time”
- If the “Dwell” is set too fast the cylinder will try pick the ram prior to striking, too slow and it will seem as the hammer is malfunctioning.
- Some step may need to be repeated to get the optimal performance out of the hammer. Once set as desired hit “ESC” several times to get back to main screen.
- Be sure to close up the box and put in a safe and dry area.
- If the box and pendant are being operated in a wet environment I suggest placing the blow count box in a bag with the cords sticking out and zip tied and off the ground to keep dry. Also hanging the pendant when not in use to keep out water.
- Both the box and pendant are water sensitive and keeping condensation out of these is crucial.
- Setting the “Dwell” will also slightly effect the stroke height. It will create a tossing action where the ram’s velocity will carry it slightly higher than previously set. So once “Dwell” is set some fine tuning on the stroke time will be required.

Contact Daniel Corp for Support or Assistance.

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