




OPERATOR TIPS – HTH



1. The **Use and Maintenance Manual** (Operators Manual) **MUST** be left in the cab of the machine. This is considered the **Safety Manual** and most jurisdictions require its presence with the machine. Most operational questions can be answered by reading the Manual.
2. It is highly recommended that for an initial startup of the machine you allow it to warm up a minimum of 5 minutes. In cold weather environments, this should be extended to a minimum of 15 minutes for warm up.
3. If the machine will not start check the following:
 - a. Battery switch located in the engine compartment next to the terminals is in the vertical position
 - b. The engine bonnet is completely closed and secured
 - c. The emergency stop button located on the left arm rest must be in the up position
 - d. The transmission selector (right joystick) must be in the neutral (center) position
4. It is important that you disengage the parking brake before putting the machine in gear. In the event you do put the machine in gear before disengaging the parking brake you must:
 - Return the machine to the neutral gear position and disengage the parking brake by doing the following:
 - Engage foot brake and hold
 - Press the parking brake button down and hold for 2 seconds
5. HTH models are equipped with 3 modes of steering – front wheel, all wheel, and crab. In order to change from one mode to another the wheels must be straight and the indicators on the screen (one for each axle) must be green . The icon is a green circle with a white border, containing a white symbol that resembles a steering wheel or a set of wheels.
6. In order to initiate any functions utilizing the joysticks, the dead man switches (triggers) must be engaged by holding them in.
7. HTH models are equipped a chassis tilt feature allowing you adapt to uneven ground. This feature allows you to tilt from +/-5° to +/-10° to the left or right. You can adjust by pressing and holding down the chassis tilt switch located on the right console.
8. It is important that you rely on the monitor / touch screen. It will provide you with virtually all the information you need to manage the machine.
9. The load chart page (LMI) on your screen provides an “active” view and changes in real time as the load moves – this IS your load chart - it is extremely IMPORTANT that the operator respect it.
10. If you overload the boom the machine will lock you out.
 - Retract and/or lower the boom to a position within the load chart parameters.
11. It is important to watch the level bubble to ensure the machine is not out of balance. This is most common when you are attempting to move the vehicle on uneven terrain.

12. In order to change the machine speed (turtle & rabbit) the machine must be in neutral (not forward or reverse gear) and you must engage the foot brake and then select the speed you desire.
13. If you will not be using the machine for 24 hours or more (i.e. weekends), turn the battery off by flipping the battery disconnect switch located within the engine compartment.
14. If you have an electronic issue with the screen (i.e. screen stays black) you will need to perform a "hard" reboot. Turn the key off and the power off (at the disconnect in the engine compartment) for two (2) minutes. Reengage the power and turn the key one click and make sure to let the computer fully reset. Acknowledge the tool (attachment) by selecting the  before turning on the engine.
15. If the red exclamation mark  on the upper right corner of the screen is blinking, press it with your finger and the screen will convert to a code screen. It is important that you take a photo of the screen showing the code(s) and send it to your dealer / service center so they can diagnose.
16. The level of DEF fluid must be kept above 25% or the machine will derate (the engine will not rev). If the engine derate's you must call your dealer.
17. In order to check the hydraulic fluid level, the machine must be on flat ground with the boom down and fully retracted and the boom tip cylinder fully closed.
18. The machine is equipped with two (2) emergency keys. One to override the emergency system (this is not recommended and could be dangerous) and one for the work platform override. Both keys **MUST** be in the machine at all times and placed in the red emergency box.
19. The machine is equipped with an R.F.I.D reader (which looks like a red button) on the boom head. This is used to automatically read the attachment (each attachment has an R.F.I.D. tag). What to do if the machine is not reading the attachment properly.
Resolution: remove the attachment rod and tilt the boom head back. Check to ensure that the red tip of the reader is not damaged or cracked. Check the tag on the attachment to ensure it is not damaged (and that it exists). Check to see if anything is in the way of the reader and the tag being able to communicate properly (i.e. birds nest). Once you have ensured that there is nothing in the way, check the wire connection (small wire) at the junction box (right side of boom head) to ensure it is seated properly and not broken or wet by unscrewing it. When returning the wire, make sure that the notch is lined up properly before attempting to screw it in.