

Remote Control Mower Hill Cat HC-550K Maintenance Manual



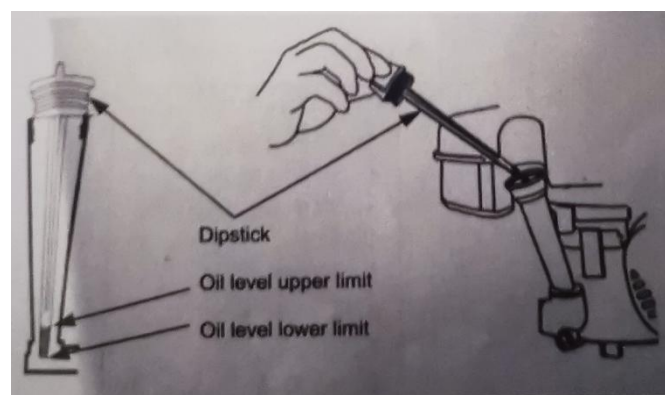
Instructions:

1. Check the fuel condition. It is recommended to use clean, fresh, unleaded gasoline with an octane number greater than or equal to 92. The fuel tank volume is generally 1.2L.



2. Check machine oil situation, the engine does not add oil during transport, and there must be sufficient oil before starting the engine. Recommended oil models SAE10W-30.

- a) Turn off the engine and put it horizontally on the ground.
- b) Remove the oil dipstick from the oil filler and wipe it clean.
- c) Insert the machine oil, when the oil quality neck is just in contact with the oil supply tube, check the oil level.
- d) If the oil level is too low, add the recommended engine oil to the upper limit of the oil level, don't add too much.
- e) Replace the machine oil and tighten, as shown picture 1.



picture 1

3. Turn off the power switch button(power) on the operation panel, pull out the emergency stop switch, increase the throttle speed switch appropriately, you can pull the engine or use the key switch to start the engine, when you need to turn off the engine, press the stop switch The engine can be shut down by pressing down. Below instruction of start up and stop for reference:

A-Hand Pull Start Up

① Put the throttle to damper location



② Pull the handle in the engine



③ Turn the throttle little back



④ Press Power button on the control box



⑤ Press "Power" button on remote to start the remote control.



⑥ When hearing the beep, then handle the mower with remote.

B-Electric Start up

① Put the throttle to damper location



② Press start button



③ Turn the throttle little back



④ Press Power button on the control box



⑤ Press "Power" button on remote to start the remote control.



⑥ When hearing the beep, then handle the mower with remote.



Throttle

Electric Start panel

Picture 2

4. After the engine starts, open the power conversion switch, take out the remote control open the power button, and the operation is shown. For more information, can consult to separate manual for the remote.



Picture 3

5. How to stop

① Put the throttle back



② Press stop button



③ Press "Power" button on remote to power off the remote control.



Remark:

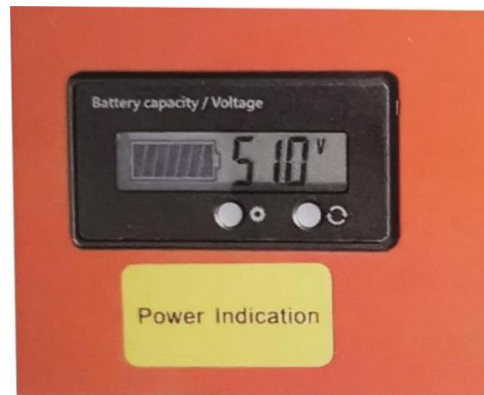
1. Before start the machine, please refer to the manual first, also checking the start and stop video that sent to you for reference.
2. Regarding the remote, before shipping, all the functions are set well, and locked. No special condition, we don't suggest change the setup of remote; furthermore, mowing height and bulldozer height key, after adjust to right location, reset timely.

Maintenance instructions:

1. The mower walks more slower or slowed by the mowers.

- a) Check whether the walking high and low speed switch (Figure 3) is in a low speed or high speed state. If it is in a low speed state, turn the switch upwards.
- b) If it is high speed, you need to open the operation panel and check the fuse box to see if there is a red light. If there is a red light, you need to change the corresponding fuse.
- c) Check whether the brushed two-way ESC is running again. If the fan does not run, you need to replace the brushed two-way ESC. If the fan is running, you need to check whether the output voltage of the brushed two-way ESC is DC12V when it is working. If there is no DC12V, you need to replace the brushed two-way ESC.

- d) Check battery status on panel. Suggest charging from the power source for about 8 hours when the battery capacity is between 70% and 90%. It is not recommended to use the machine when the battery level is below 70%.



2. lawn mower's cutting height

- a) Operator can change the height of chassis to meet different cutting height of the mower by manual;
- b) The remote control can adjust the cutting height between 20mm and 150mm directly.



3. Troubleshoot the operation panel or equipment without power supply

- a) Check whether the power cord of the battery indicator is loose, if it is loose, you need to reconnect it.
- b) Check whether the wires of the starting relay are disconnected or loose. Use a multimeter to measure whether there is a DC input voltage of 12V. If not, replace the starting relay. As shown below

Maintenance of the engine: Engine maintenance schedule

Engine maintenance schedule	Per use	5 hours or the first month originally used	25 hours or every 3 months	50 hours or every 6 months	100 hours or every year
Item					

Engine oil	Check the oil level	<input checked="" type="checkbox"/>				
	replace		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> (1)	
Air filter	examination	<input checked="" type="checkbox"/>				
	clean			<input checked="" type="checkbox"/> (2)		
	replace				<input checked="" type="checkbox"/> @	
Spark plug	Check-cleaning				<input checked="" type="checkbox"/>	
	Replace					<input checked="" type="checkbox"/>
Idle speed	Check-adjustment				<input checked="" type="checkbox"/>	
Valve gap	Check-adjustment					<input checked="" type="checkbox"/> (3)
Combustion chamber	clean	Every 100 hours (3)				
Oil tube	examination	Replace every 2 years (if necessary) (3)				

instruction:

Just replace the filter element

(1) Change the oil every 25 hours under high load or high temperature

(2) In the case of more dust, the cleaning frequency can be increased, and it can be replaced if necessary

(3) Unless special tools and machine repair capabilities are available, these items should be maintained by the company's authorized dealers