




AG3000 Vehicle Parameters

Inputting correct vehicle parameter values for Gleaner and Axial combines


The screenshot shows the combine's control display with the following elements:

- Top Row:** Three status boxes labeled "Crosstrack", "Speed", and "Accuracy". "Crosstrack" shows a green arrow and a scale. "Speed" shows "0.0 mph". "Accuracy" shows a target icon and "39.3 in".
- Left Side:** A vertical column of icons including a folder, a steering wheel, and a red button.
- Right Side:** A vertical column of icons including "AUTO", a wrench, a green field, a bar chart, a globe, a factory, a satellite, "WAAS", and "GNSS".
- Bottom Row:** An "Esc" button, a green "WAAS" button, a green "GNSS" button with a "9" in the top right corner, a "Crosstrack" box with a scale, and a red steering wheel button.


Below the screenshot, a list item indicates:

- Select the wrench icon 

The screenshot shows a vertical menu with four main sections. The top section is 'Steering Response' with a bar chart icon. The second section is 'GPS Drift Compensation' with a road and arrows icon. The third section is 'Basic / Advanced' with a person at a control panel icon and the text 'User Mode: Advanced'. The bottom section is 'Vehicle' with a tractor icon and the text 'Profile: combine'. On the left side, there are icons for a home button, a folder, and a steering wheel. On the right side, there are icons for 'AUTO', a bar chart, a road with arrows, a person at a control panel, a tractor, and a downward arrow. An 'Esc' button is located at the bottom left.

- Press the "Vehicle Profile" icon 

The screenshot shows the 'Vehicle' settings menu. The title 'Vehicle' is at the top left. Below it, the text 'combine' is displayed. The rest of the menu area is a large yellow rectangle. On the left side, there are icons for a home button, a tractor, a folder, and a steering wheel. On the right side, there are icons for a blue left arrow, a yellow pencil, a tractor with a green plus sign, and a folder. An 'Esc' button is located at the bottom left.

- Select the "Edit" icon 

The screenshot shows a configuration screen for a combine harvester. At the top, the time is 13:16 and the vehicle name is 'combine'. Below this, there are two diagrams of the combine: a side view and a top-down view. Red lines connect these diagrams to a list of seven parameters labeled A through G. The values for these parameters are: A: 145 in, B: 0 in, C: 0 in, D: 205 in, E: 155 in, F: 28 in, and G: 78 in. On the right side of the screen, there is a vertical toolbar with icons for a green checkmark, a tractor, a steering wheel, and a remote antenna. An 'Esc' button is located at the bottom left.

- Input the correct parameters for letters "A-G"
 - Reference Table 1
- Select the remote antenna icon to insert three additional values

The screenshot shows the same configuration screen, but now with a drop-down menu set to 'External'. Below this, there are three input fields with corresponding diagrams:

- The first field has a value of '-55 in' and is labeled 'Antenna behind (H)'. The diagram shows a tractor with a red arrow pointing to the rear.
- The second field has a value of '0 in' and is labeled '(Use this value)'. The diagram shows a tractor with red arrows pointing to the front and rear.
- The third field has a value of '195 in' and is labeled 'Distance to ground (J+E)'. The diagram shows a tractor with a red arrow pointing to the bottom.

 The right-side toolbar now includes a green checkmark, a tractor, a steering wheel, and a remote antenna icon. An 'Esc' button is at the bottom left.

- In order to edit the values, ensure "External" is inserted in the drop down menu
- Input the correct parameters for "H" & "J+E"
 - Reference Table 1
- Select the green check

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Table 1

Combine Model		S78	S88	S68	GL Average	9540	9560	Axial Average
Front Tire Size		480/80/42	620/70/38	800/65/32		620/70/42	480/80/42	
Rear Tire Size		480/80/26	580/70/26	580/70/26		750/65/26	620/75/26	
Wheel Base	A	133.25	133.25	133.25	133	144.875	144.875	145
Rear Hitch Length	B	0	0	0	0	0	0	0
GPS Receiver	C	0	0	0	0	0	0	0
Rear Axle to Receiver	D	200.25	200.25	200.25	200	204.5	204.5	205
Receiver Height	E	146.5	147	148.25	147	154.5	155	155
Rear Axle Height	F	25	24.75	25.5	25	28.5	28.25	28
Front Axle to Front of Feed House	G	71.75	71.75	71.75	72	77.5	77.5	78
Distance from Receiver to Remote Antenna	H	-44.5	-44.5	-44.5	-45	-54.5	-54.5	-55
Height of Remote Antenna	J+E	177.75	177.25	181.25	179	194	195	195