AG3000 Terminal Navigation

Basic Mode Operation

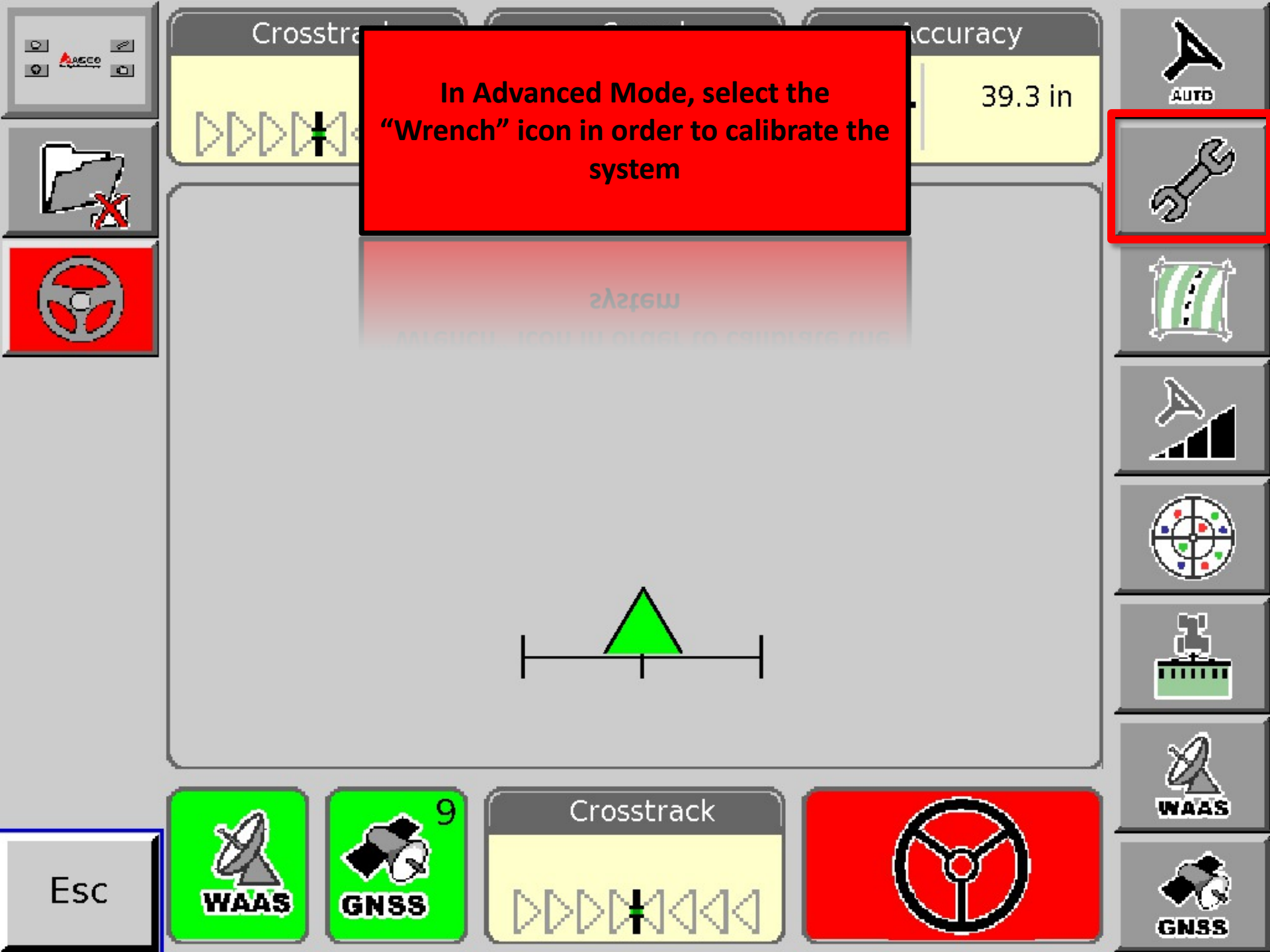
AGCO

Your Agriculture Company

AG3000 Basic Mode Index

Select an Option

- AG3000 Calibration Procedure
- 1.) How To Establish an “A+B” Line
- 2.) How To Establish a “Contour” Line
- 3.) How To Establish an “A+ Heading” Line
- 4.) How To Establish a “Pivot” Line


In Advanced Mode, select the "Wrench" icon in order to calibrate the system
Accuracy
39.3 in
AUTO
WAAS
GNSS
9
Crosstrack
Esc
WAAS
GNSS

Wayline

Scroll to the next page

GO Wayline

Wayline Type: Pivot

Implement

Implement: GO Implement

Width: 394 in

Overlap: 0 in

System Status

Correction Setup

WAAS

Esc

Steering Res

Scroll to the next page

GPS Drift Compensation

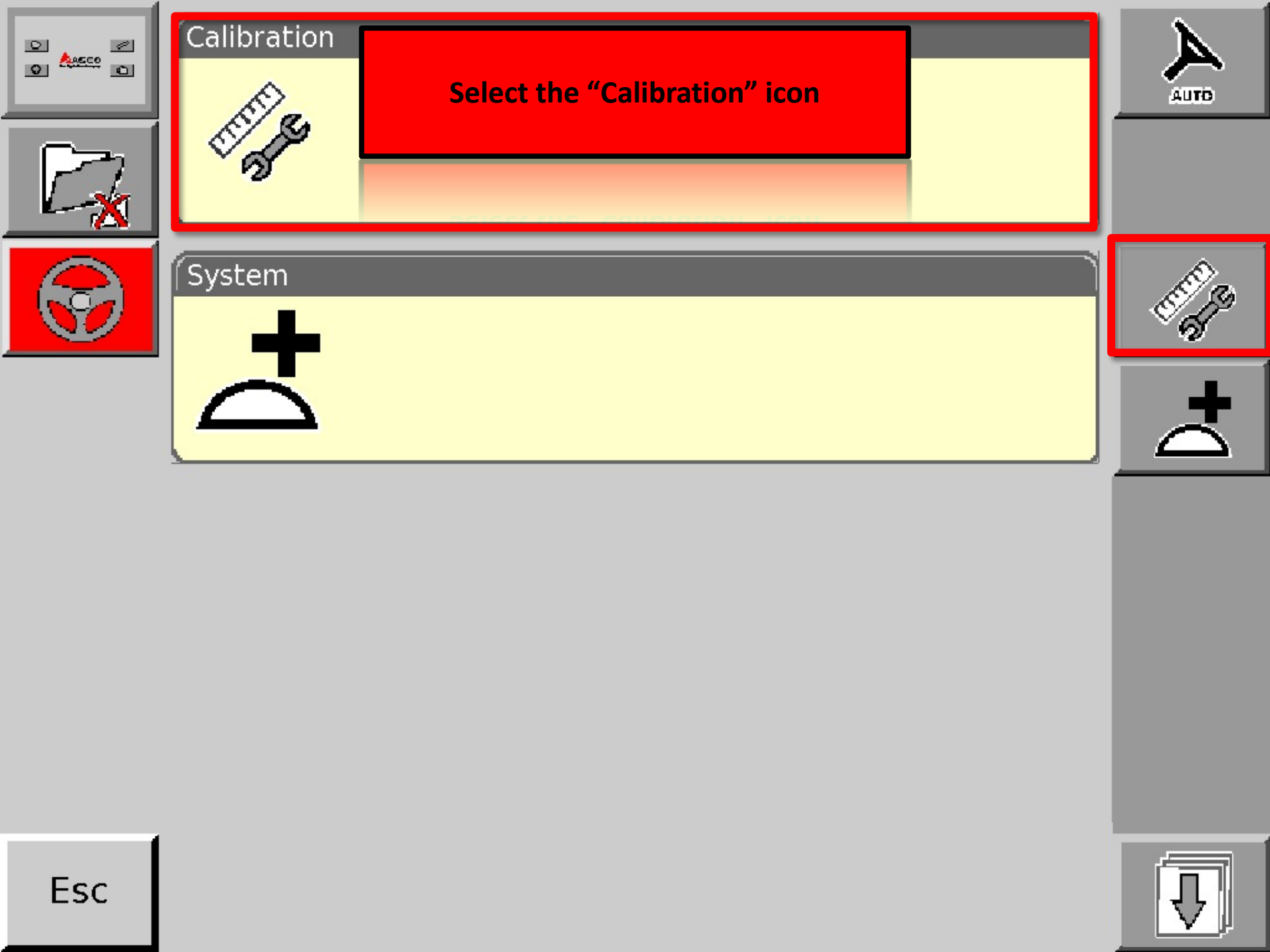
Basic / Advanced

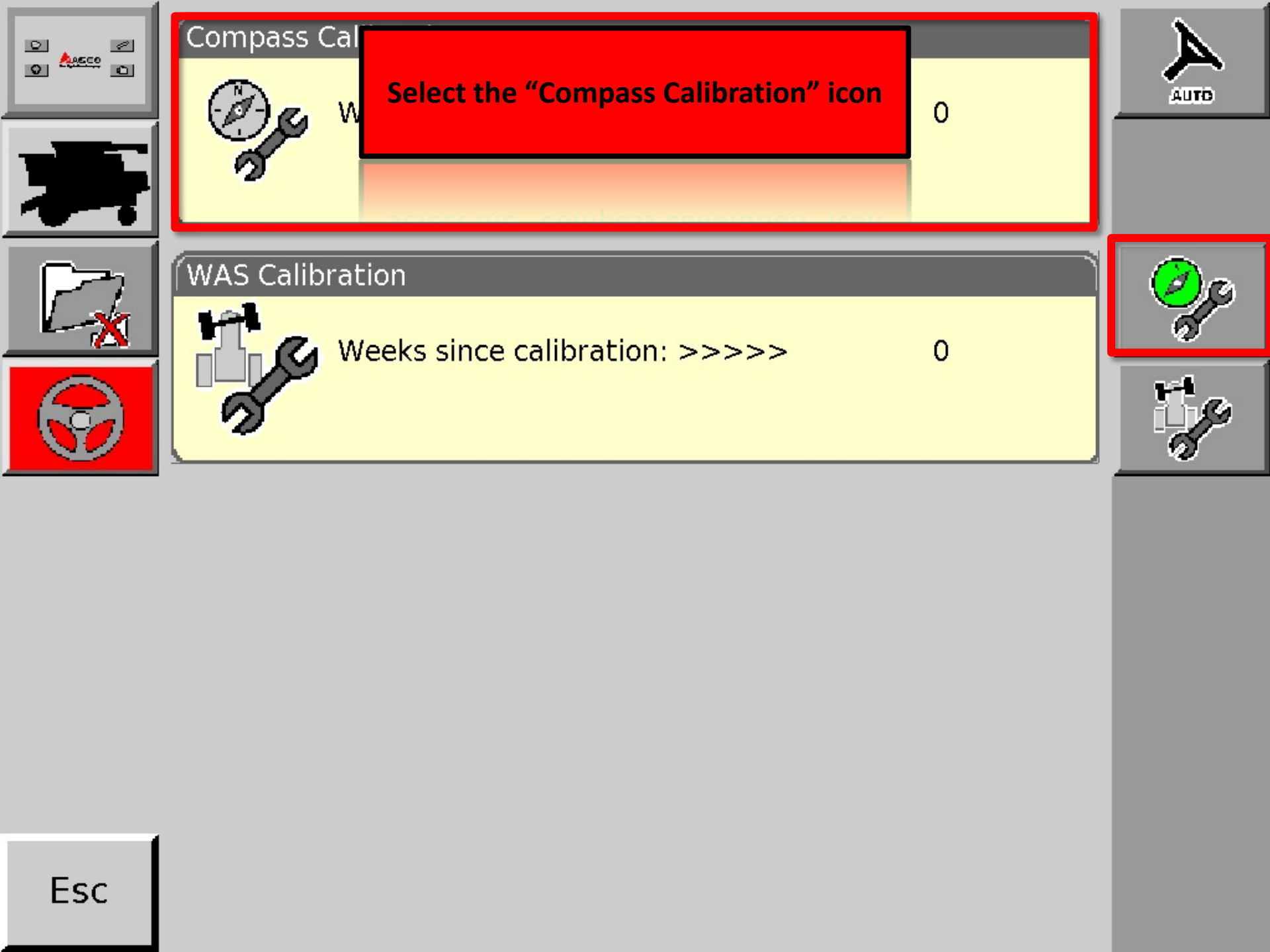
User Mode: Advanced

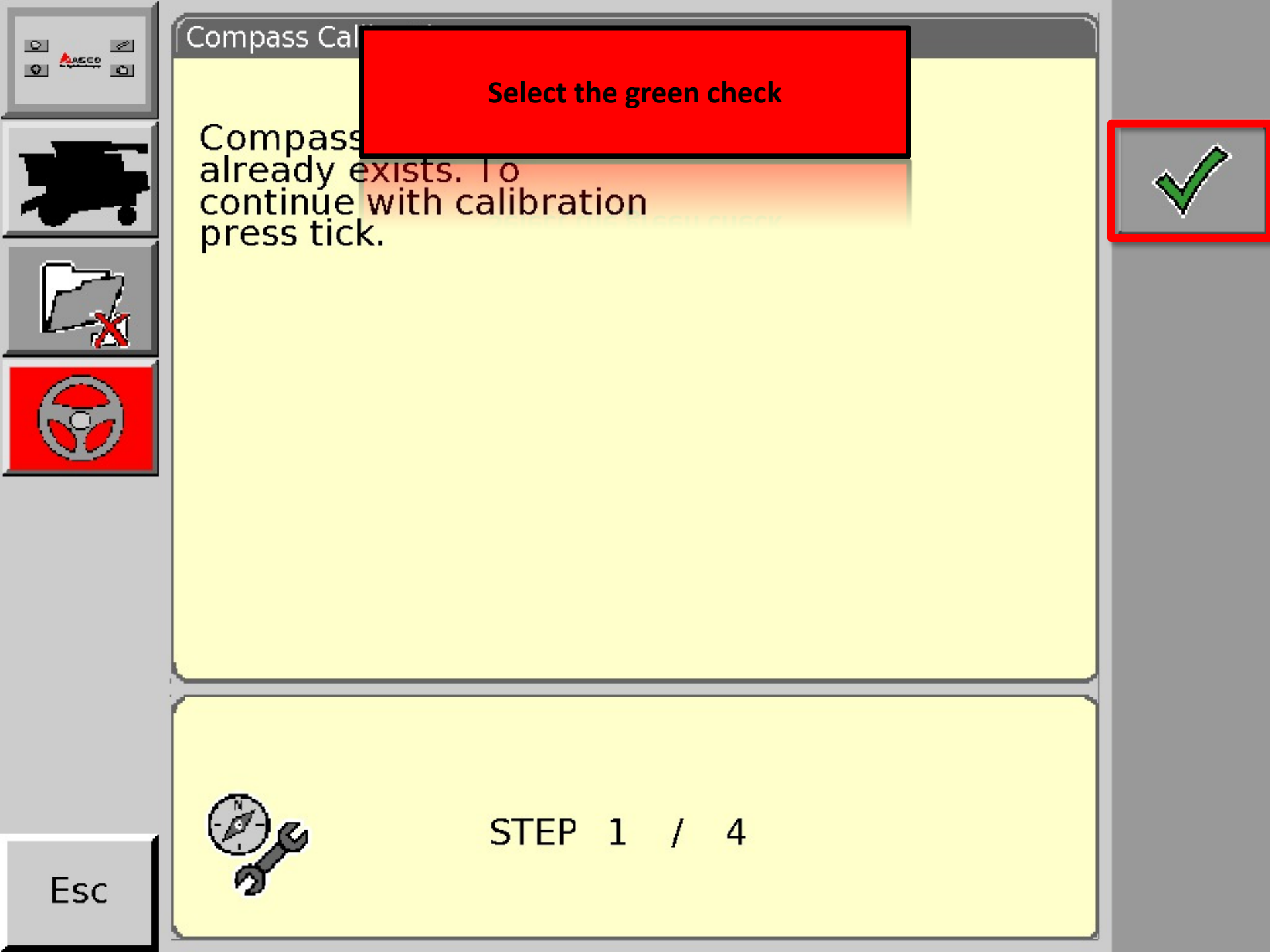
Vehicle

Profile: combine

Esc


Calibration
Select the “Calibration” icon
System
AUTO
Esc


Compass Cal
Select the “Compass Calibration” icon
0
WAS Calibration
Weeks since calibration: >>>>>
0
AUTO
Esc


Compass Cal
Select the green check
Compass
already exists. To
continue with calibration
press tick.
STEP 1 / 4
Esc

Compass Cal

Follow instructions and select green check

Compass
be comp
ground away from high
voltage and large metal
objects. Press tick to
begin calibration.

STEP 1 / 4

Esc

Compass Cal

Follow instructions and select green check

Drive in a
direction
completing one and a half
continous circles press
tick.

STEP 2 / 4

Esc

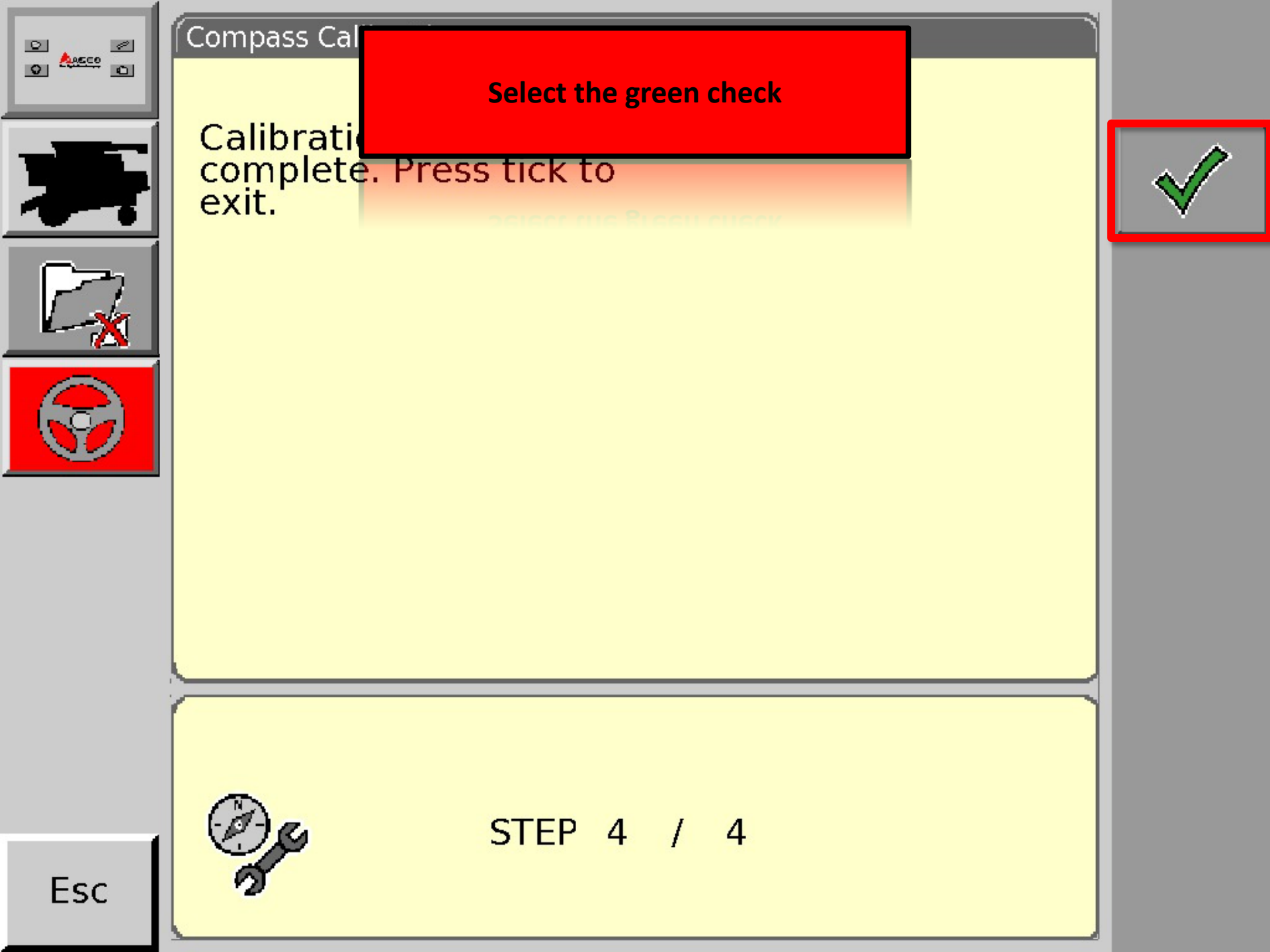
Compass Cal

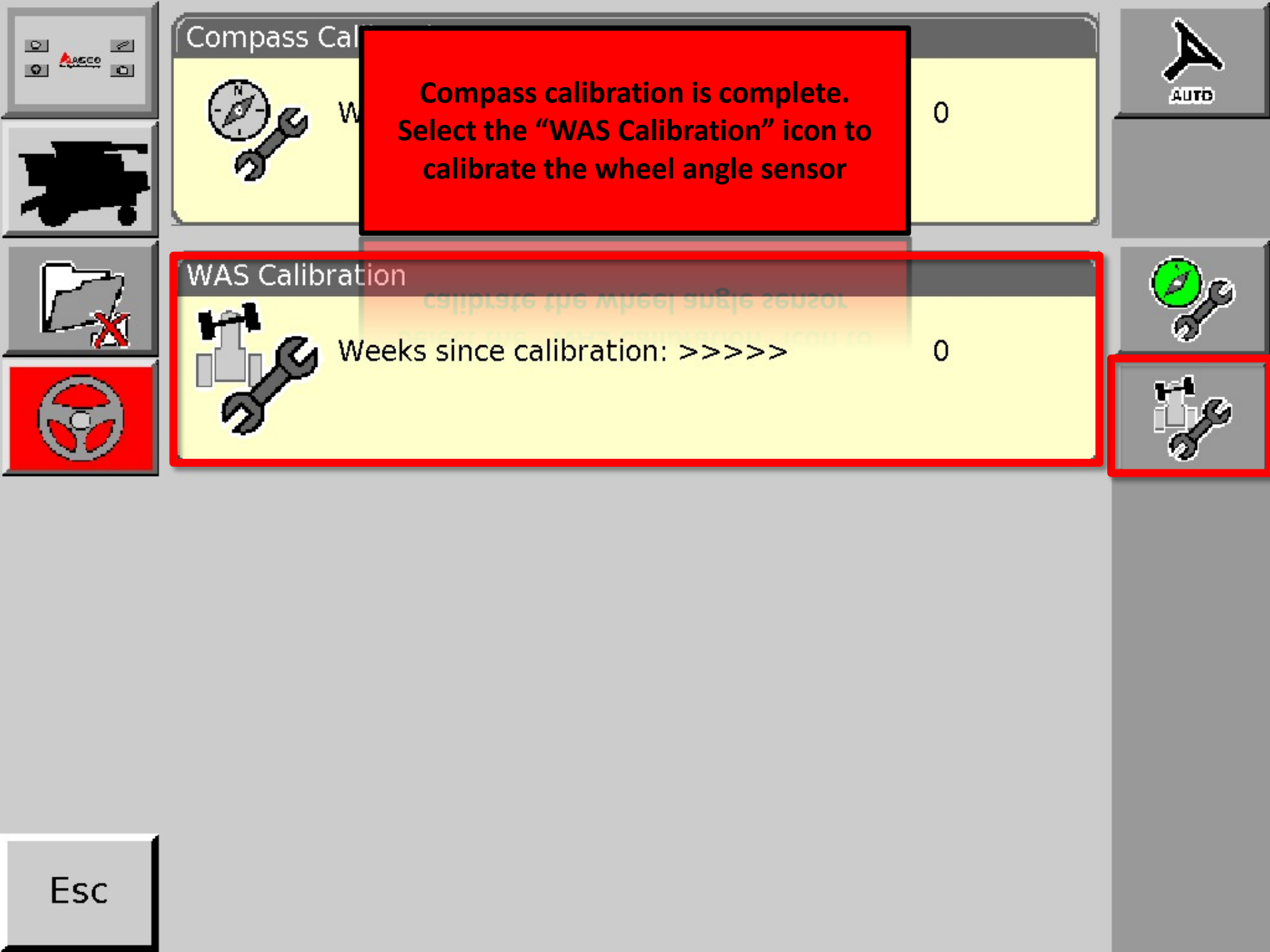
Follow instructions and select green check

Calibrati
complete
a straight line.

STEP 3 / 4

Esc


Compass Cal
Select the green check
Calibrati
complete. Press tick to
exit.
STEP 4 / 4
Esc


Compass Cal
0
Compass calibration is complete.
Select the “WAS Calibration” icon to
calibrate the wheel angle sensor
AUTO
WAS Calibration
Weeks since calibration: >>>>>
0
Esc

WAS Calibrat

Turn wh
left and

Follow the instructions and select the green check

STEP > / 1 : 4

Esc

WAS Calibrat

Turn wh
right an

Follow the instructions and select the green check

STEP > /2 : 4

Esc

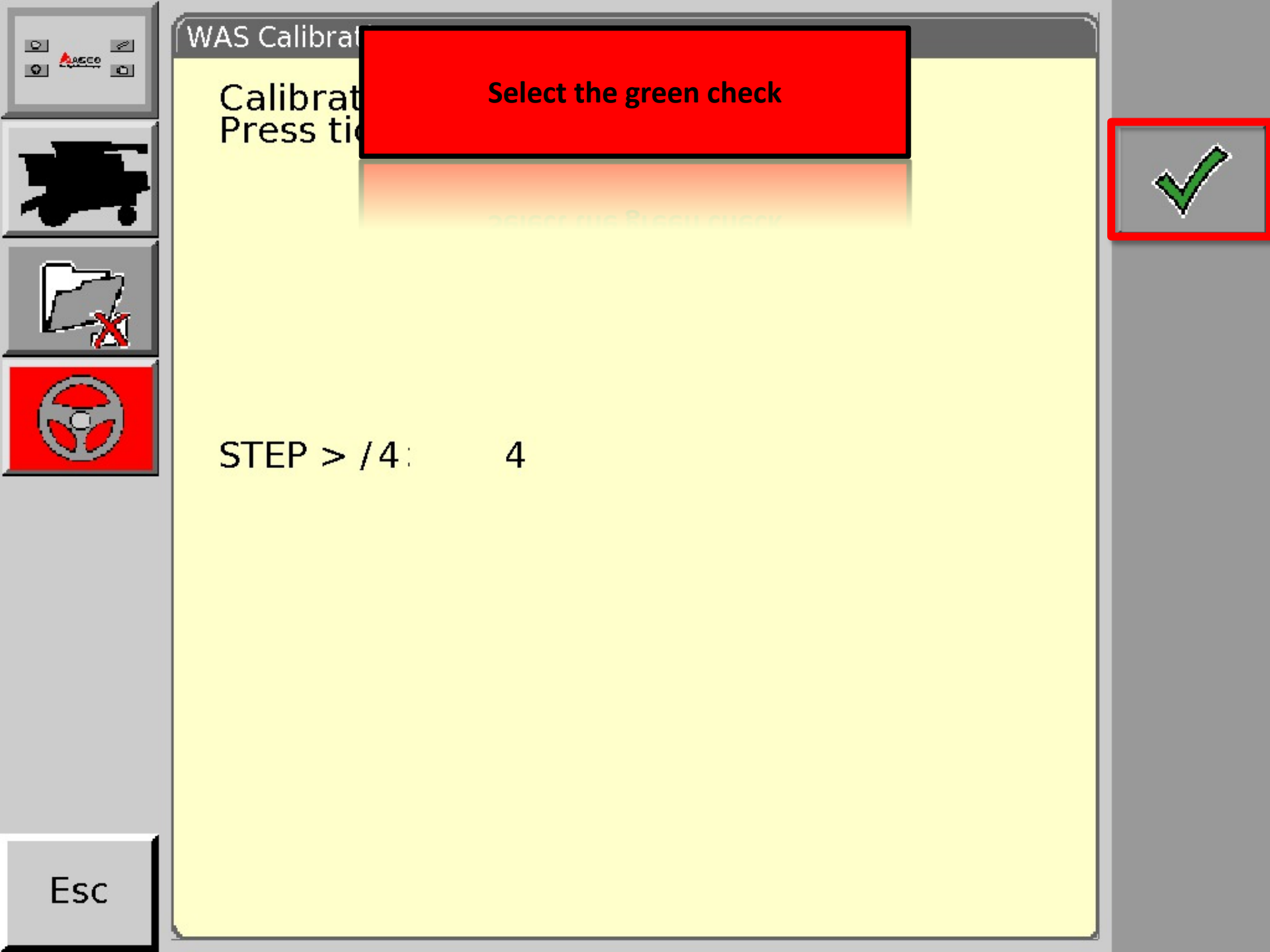
WAS Calibrat

Center
tick.

Follow the instructions and select the green check

STEP > /3 4

Esc


WAS Calibrat
Calibrat
Press ti
Select the green check
STEP > /4 : 4
Esc

S

Cycle the power on the Auto Guidance System

1055 - Steering controller needs to be reset. Please power down steering controller or vehicle.

Esc

Compass Cal
0
Calibration is complete. Select the
“ESC” icon to return to the menu
AUTO
WAS Calibration
Weeks since calibration: >>>>>
0
Esc

Steering Res

Select the highlighted icon to switch to “Basic Mode”

GPS Drift Compensation

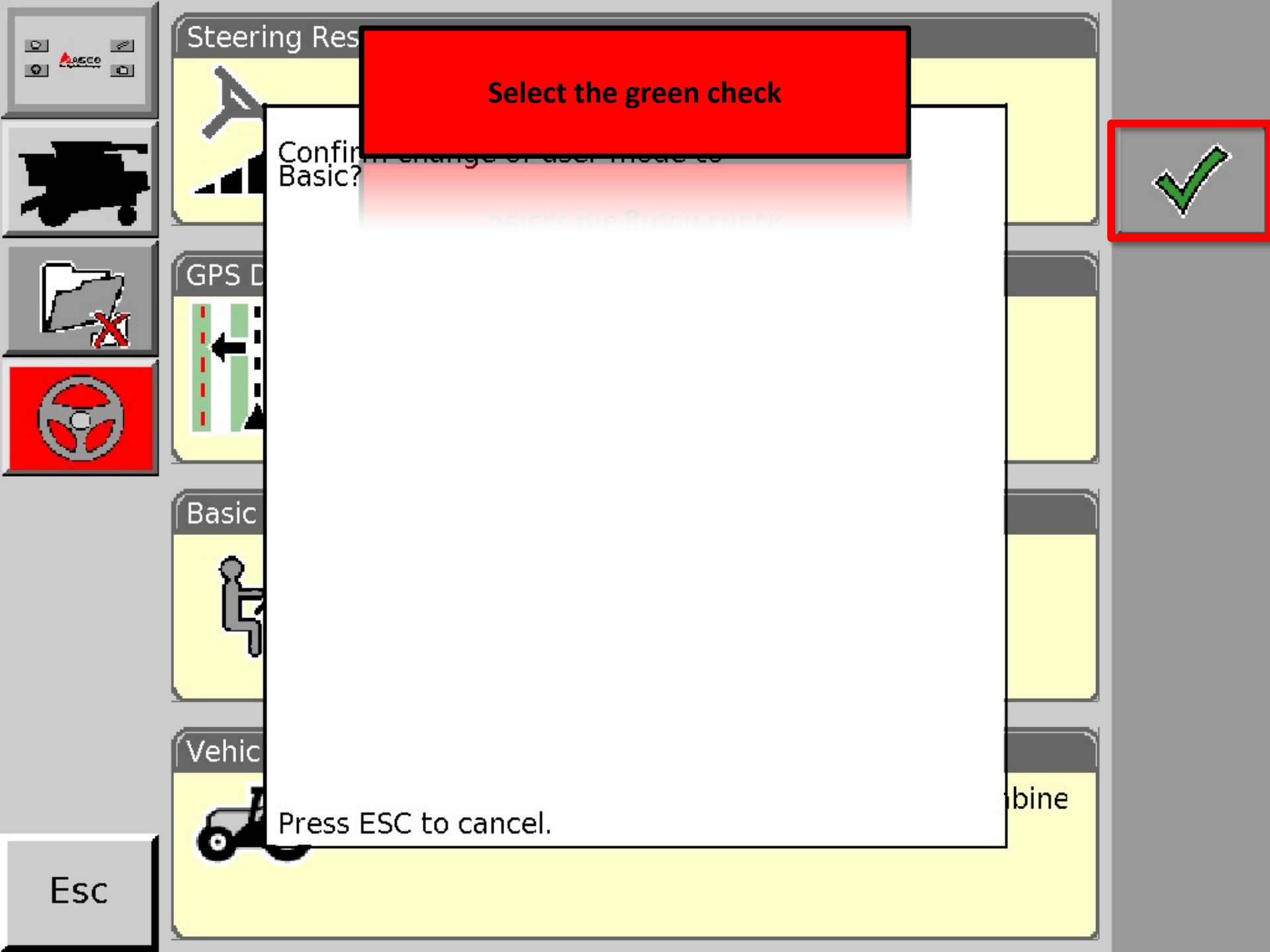
Basic / Advanced

User Mode: Advanced

Vehicle

Profile: combine

Esc


Steering Res
Select the green check
Basic?
GPS D
Basic
Vehic
Press ESC to cancel.
Esc

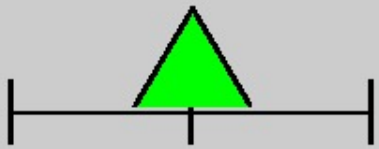
Calibration Complete

Return to Index

Your Agriculture Company

A+B Line

In Basic Mode, select the “GO” icon



AUTO

GO

WAAS

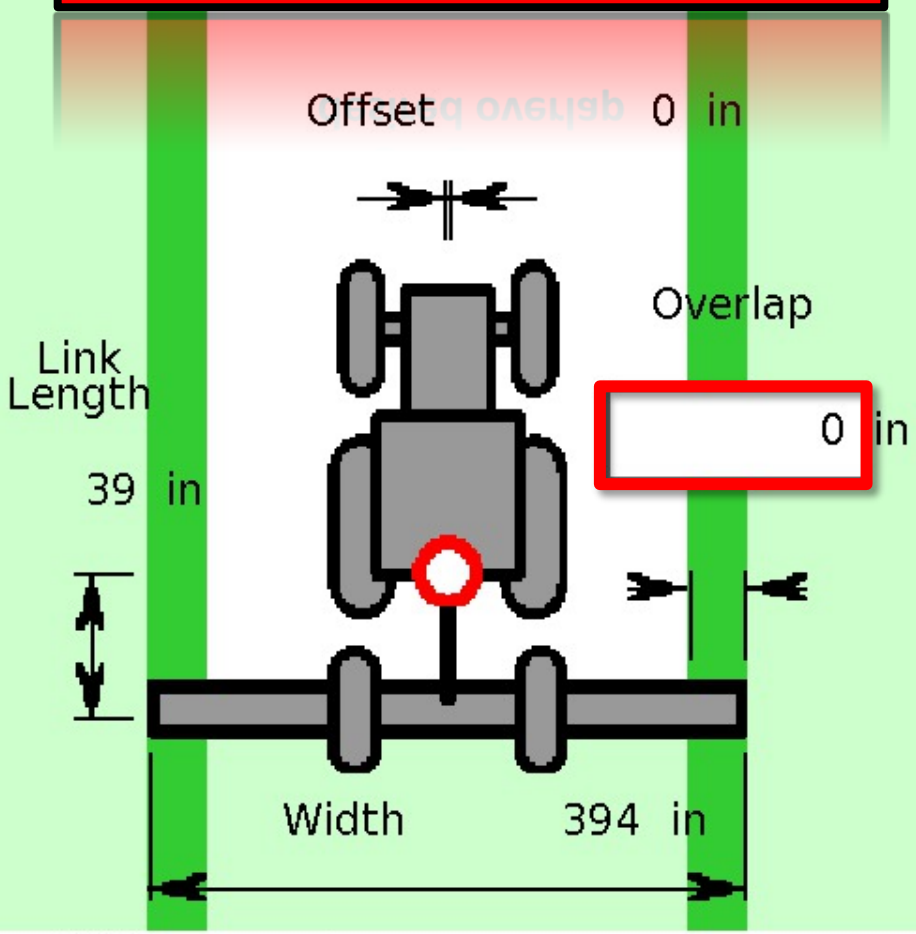
GNSS 9

Crosstrack

-1 in

Esc

Select the highlighted box to input desired overlap

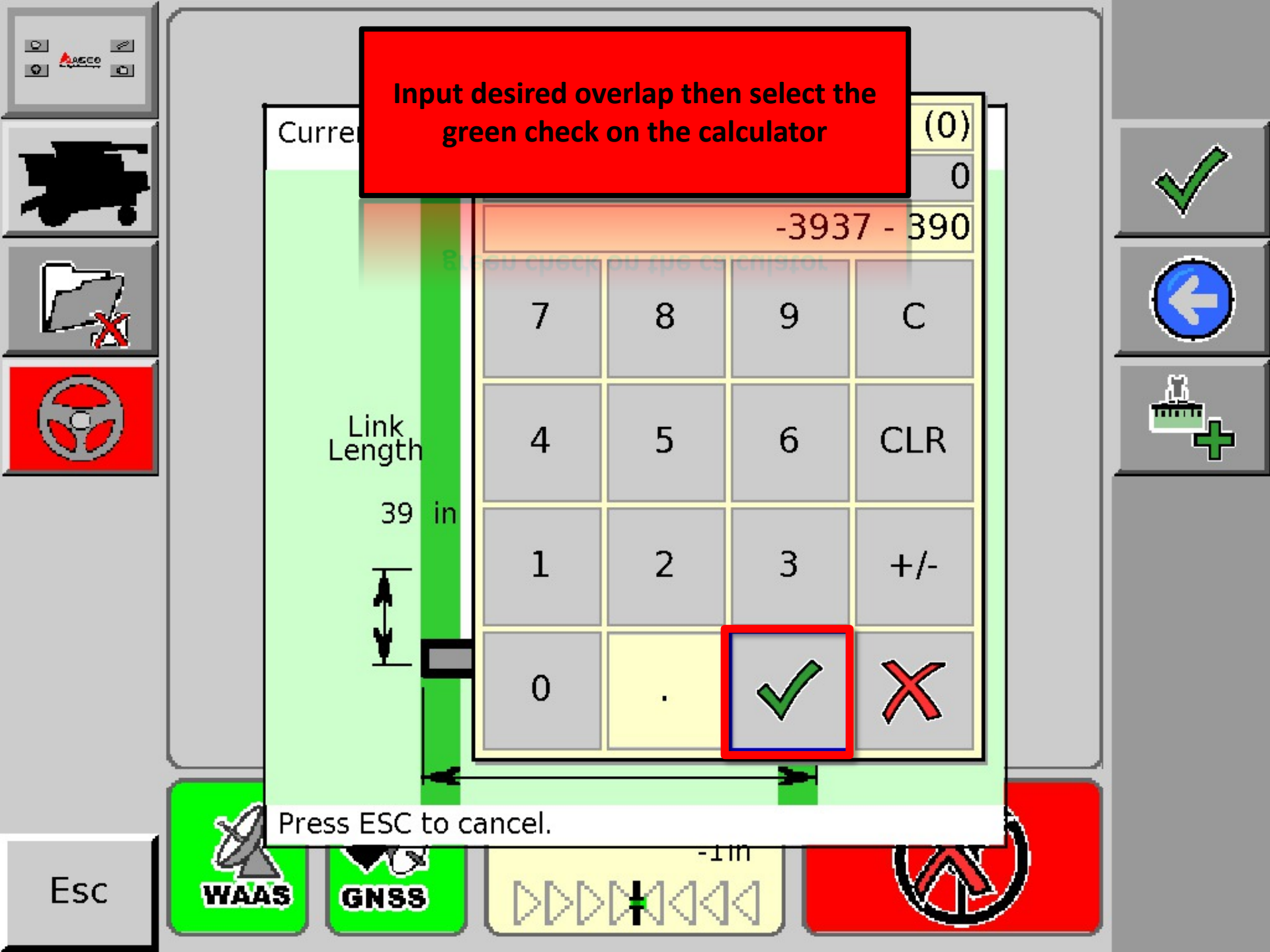


Press ESC to cancel.

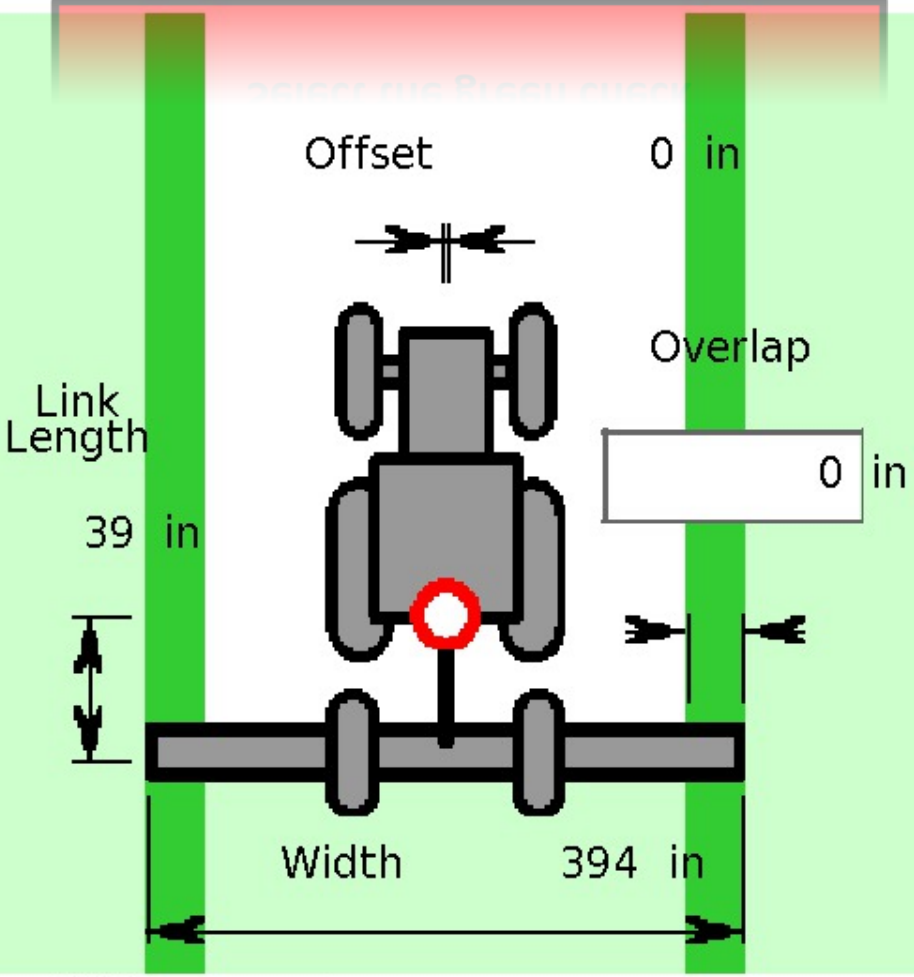
Esc

WAAS

GNSS


Input desired overlap then select the green check on the calculator
Curre
(0)
0
-3937 - 390
7
8
9
C
4
5
6
CLR
1
2
3
+/-
0
.
Link Length
39 in
Press ESC to cancel.
WAAS
GNSS
-1in
Esc

Select the green check



Press ESC to cancel.

Esc

WAAS

GNSS

-1in

To establish an “A+B” line, select the highlighted icon

Select

A + B

Contour

A+
Heading

Pivot

Press ESC to cancel.

Esc

WAAS

GNSS

-1in

Select the highlighted icon to establish your initial “A” point

Wayline Start:

Press ESC to cancel.

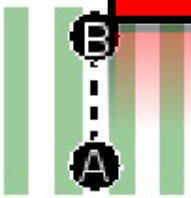
Esc

WAAS

GNSS

-1in

Travel a minimum distance of 33 ft



Wayline Finish:

Current Distance 0 ft

Minimum Distance 33 ft

Press ESC to cancel.

Esc

WAAS

GNSS

-1 in

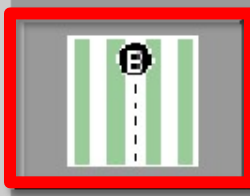
Select the highlighted icon to establish your final “B” point

Wayline Finish:

Current Distance 36 ft

Minimum Distance 33 ft

Press ESC to cancel.

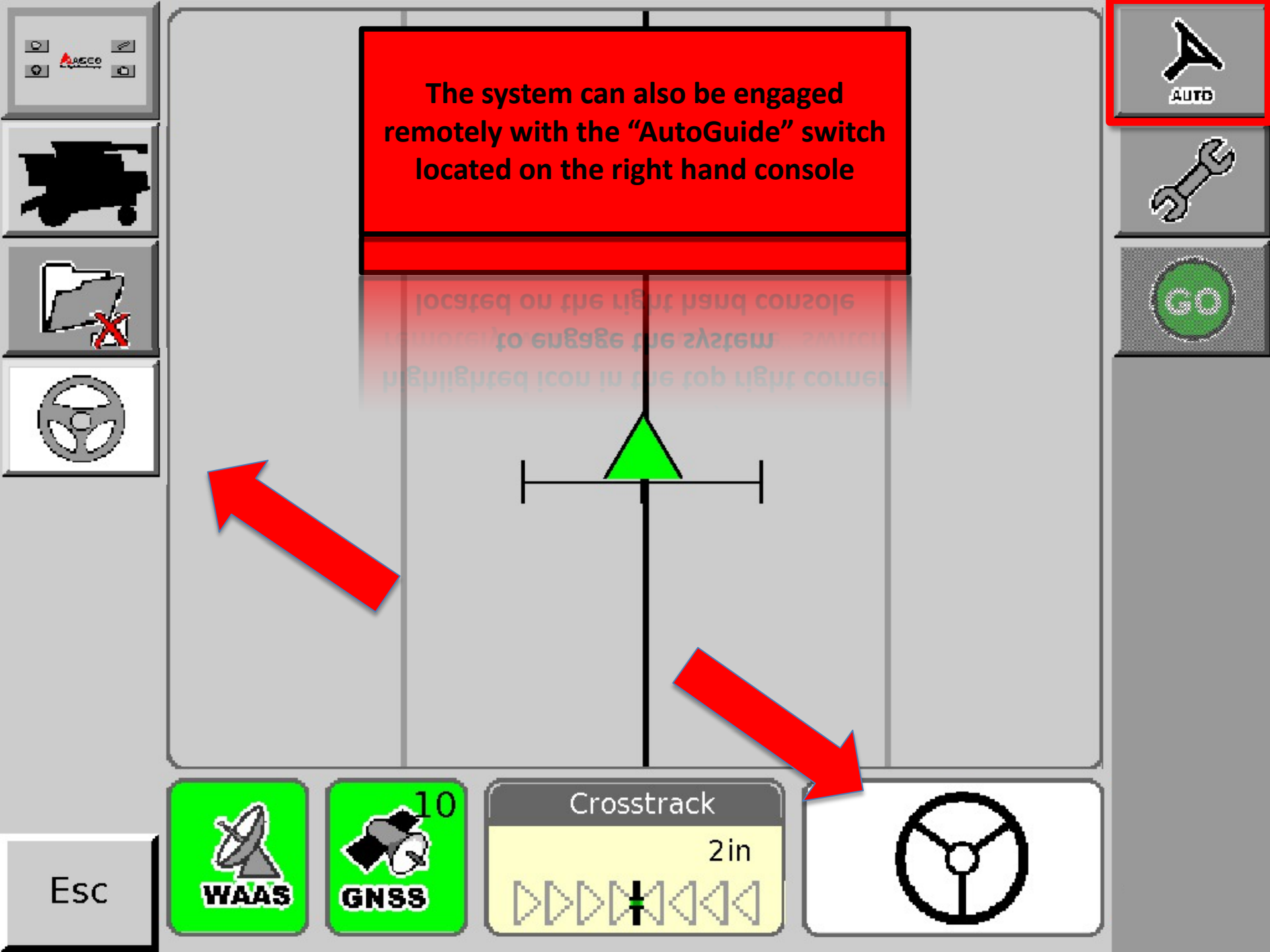


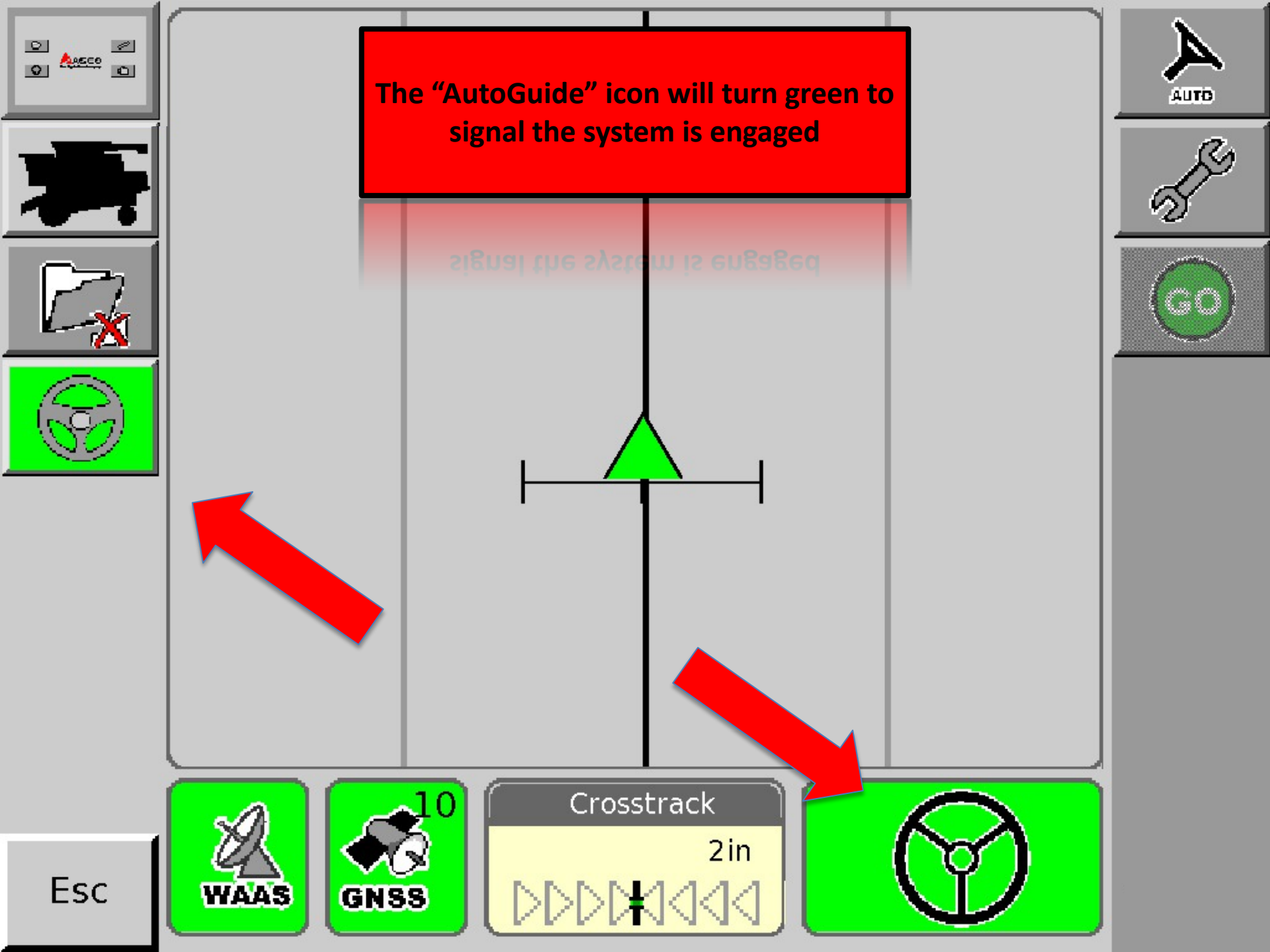
Esc

WAAS

GNSS

-1 in


The system can also be engaged remotely with the “AutoGuide” switch located on the right hand console
AUTO
GO
WAAS
GNSS
10
Crosstrack
2 in
Esc

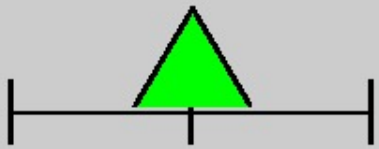

The “AutoGuide” icon will turn green to signal the system is engaged
AUTO
GO
WAAS
10
GNSS
Crosstrack
2 in
Esc

Return to Index

Your Agriculture Company

Contour Line

In Basic Mode, select the “GO” icon



AUTO

GO

WAAS

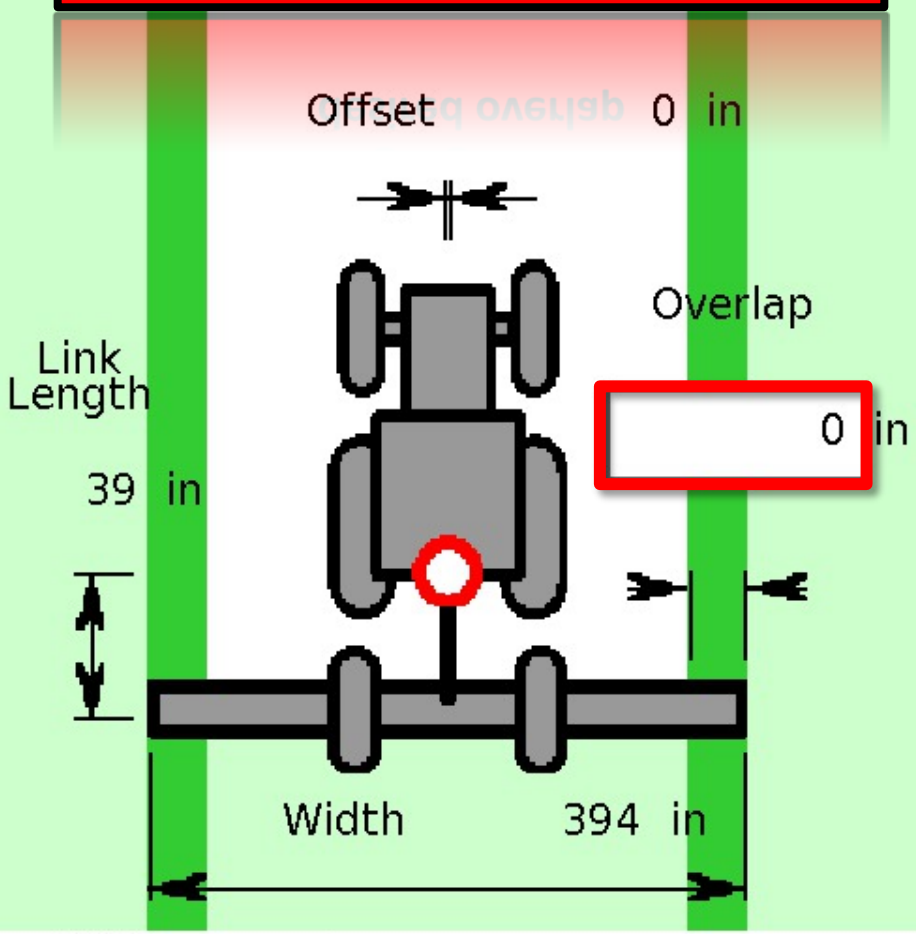
GNSS 9

Crosstrack

-1 in

Esc

Select the highlighted box to input desired overlap

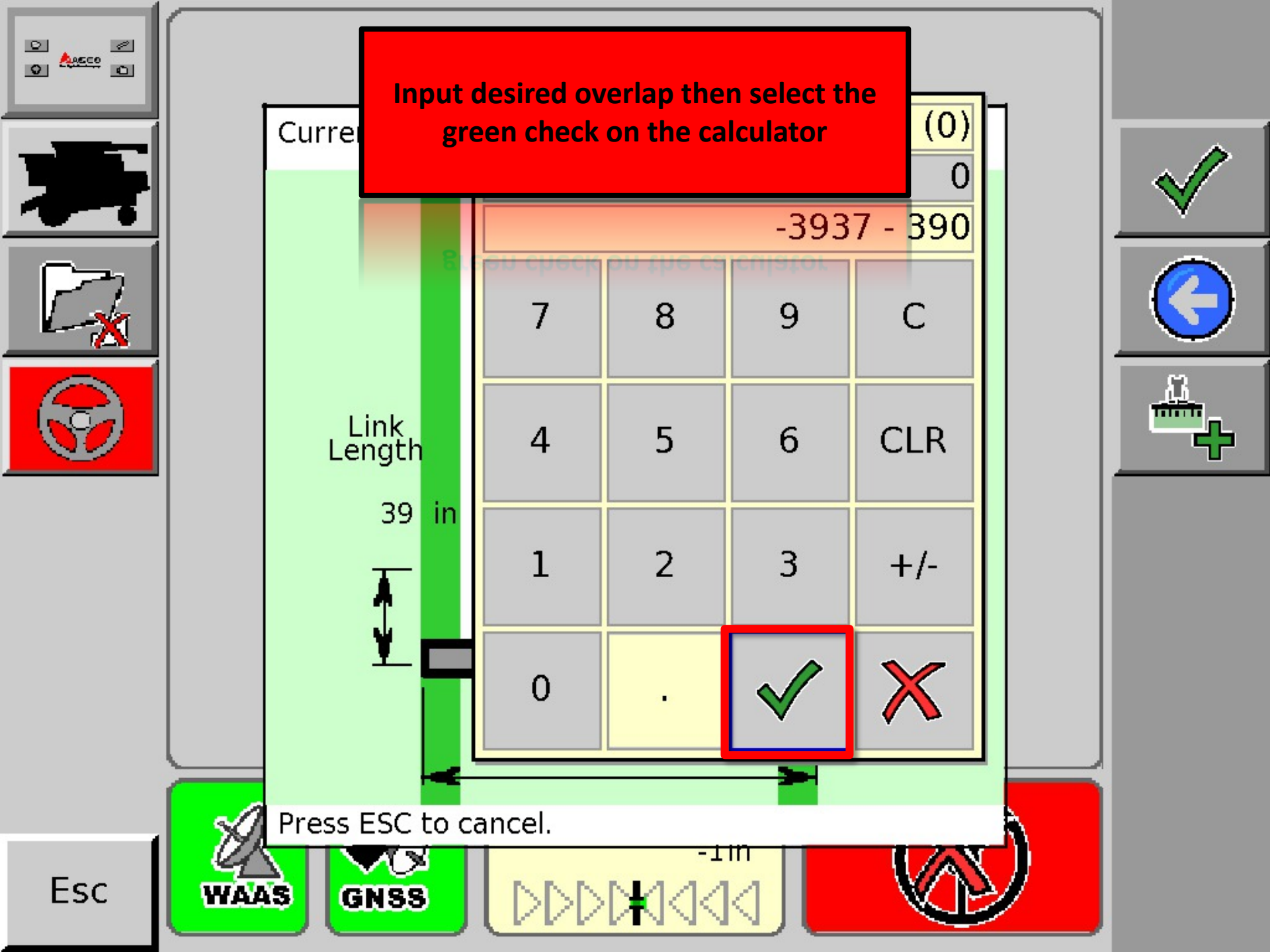


Press ESC to cancel.

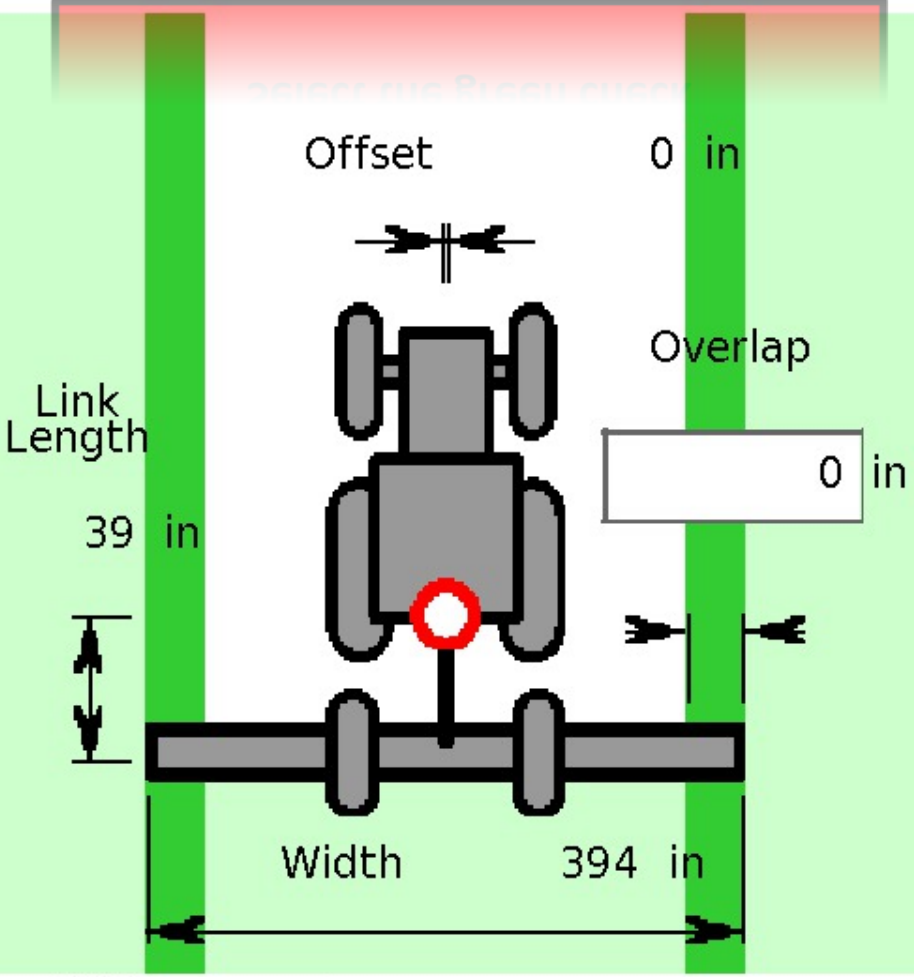
Esc

WAAS

GNSS


Input desired overlap then select the green check on the calculator
Curre
(0)
0
-3937 - 390
7
8
9
C
4
5
6
CLR
1
2
3
+/-
0
.
Link Length
39 in
Press ESC to cancel.
WAAS
GNSS
-1in
Esc

Select the green check



Press ESC to cancel.

Esc

WAAS

GNSS

-1in

To establish a “Contour” line, select the highlighted icon

Select

A + B

Contour

A+ Heading

Pivot

Press ESC to cancel.

Esc

WAAS

GNSS

-1in

To establish a “Contour” line, select the highlighted icon

Wayline Start:

Press ESC to cancel.

Esc

WAAS

GNSS

-1in

Travel along field contour with machine

Wayline Finish:

Current Points 1

Minimum Points Required 5

Press ESC to cancel.

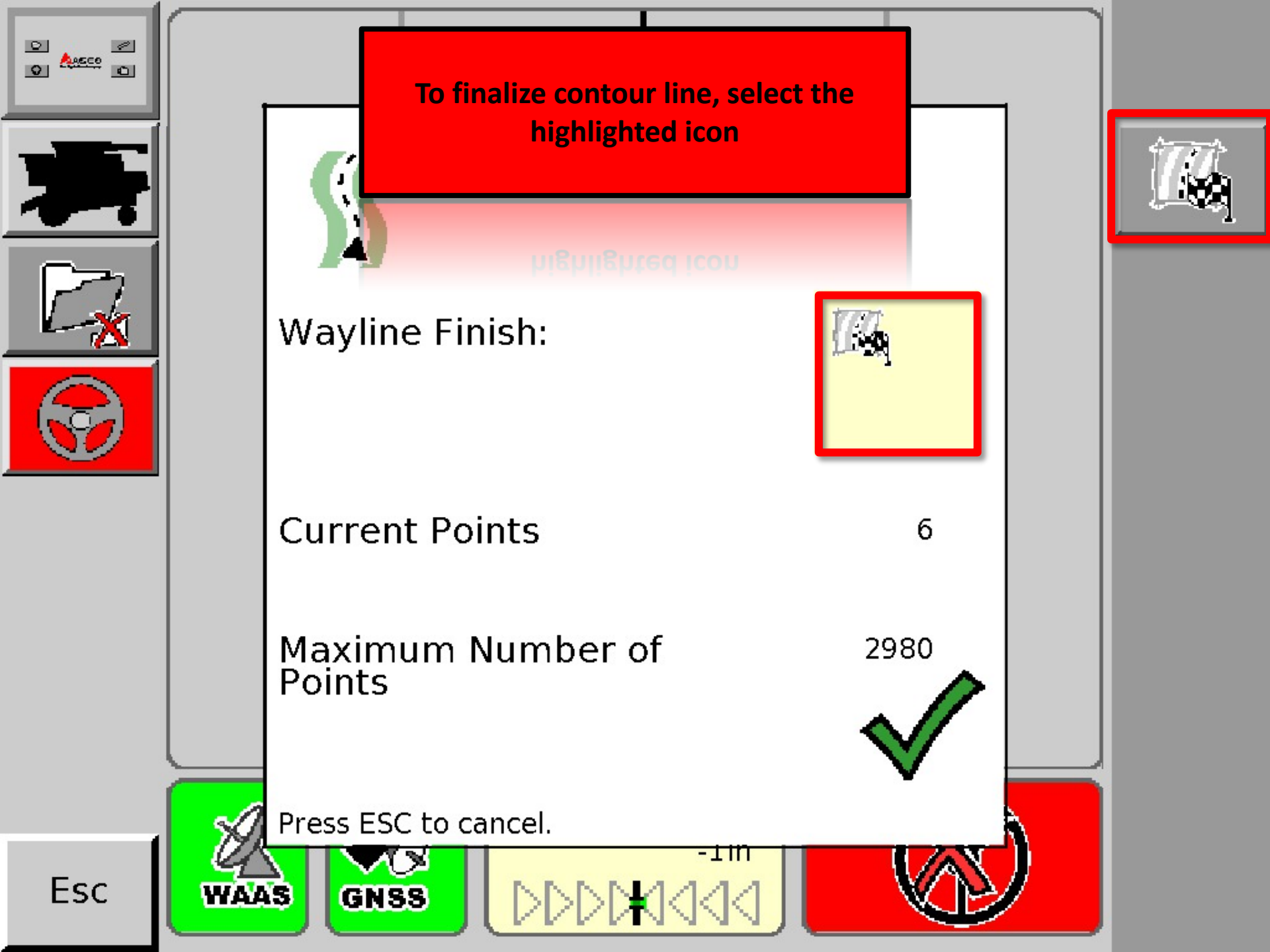
Esc

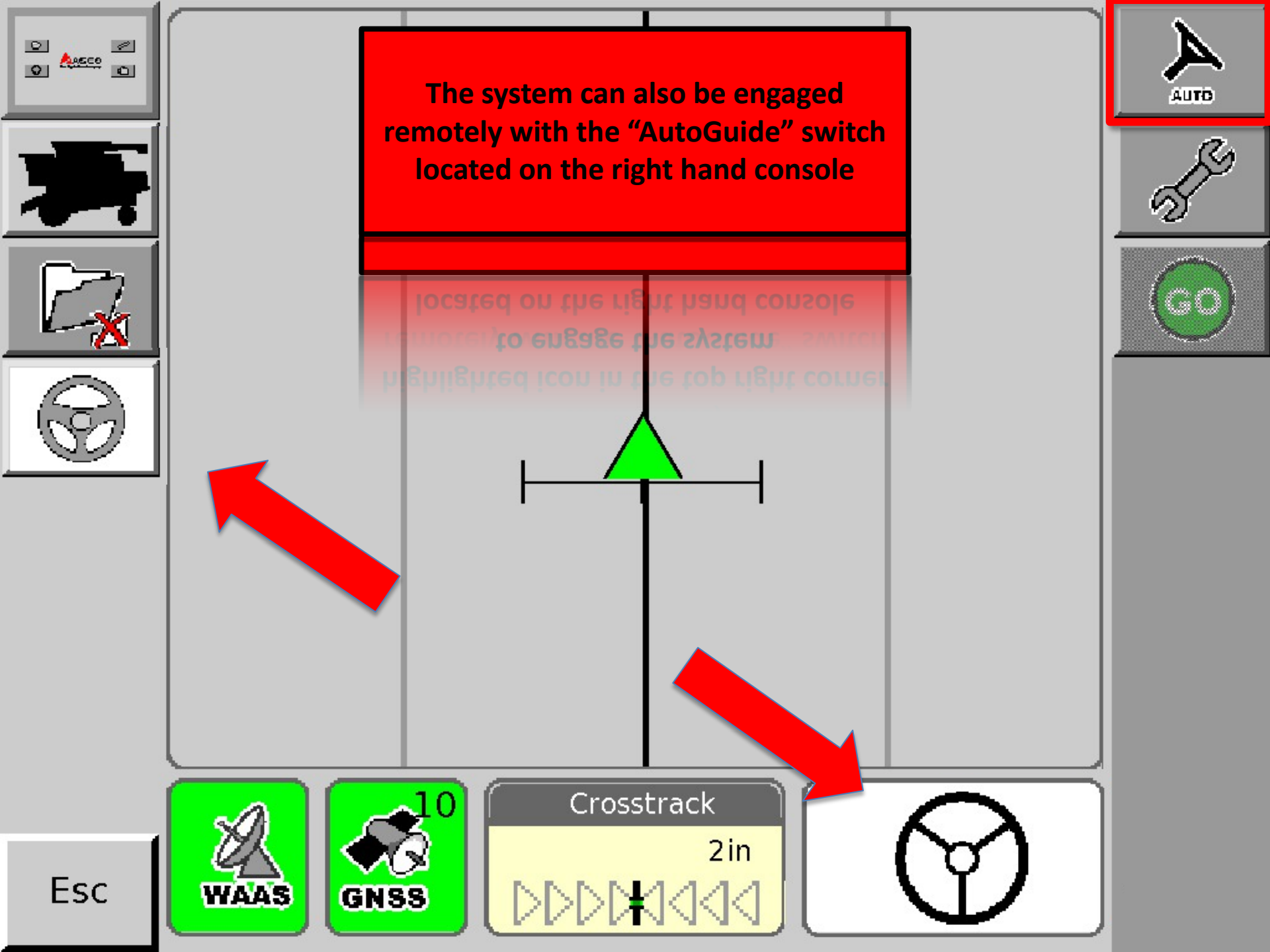
WAAS

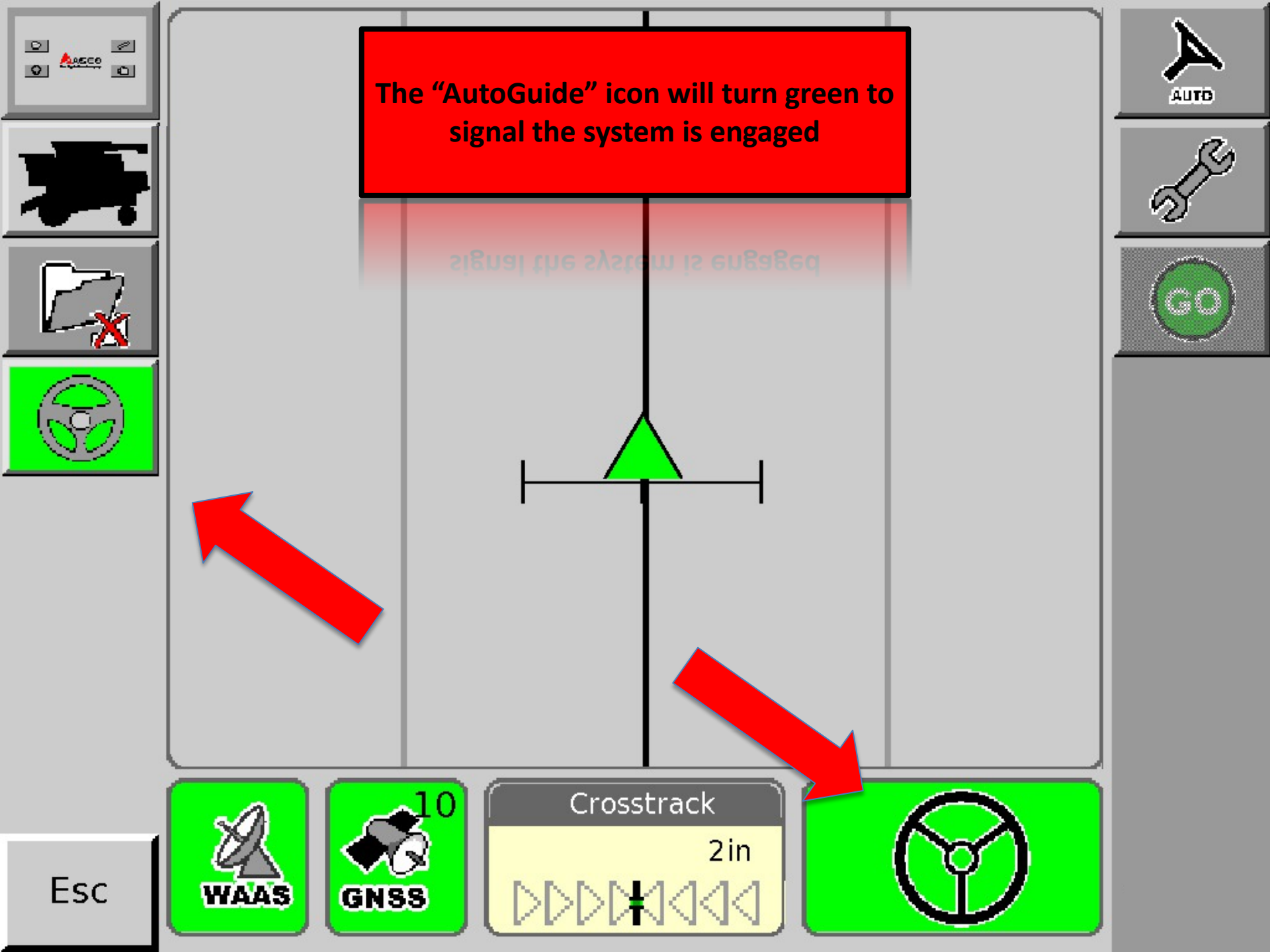
GNSS

-1in

To finalize contour line, select the highlighted icon




The system can also be engaged remotely with the “AutoGuide” switch located on the right hand console
AUTO
GO
WAAS
GNSS
10
Crosstrack
2 in
Esc

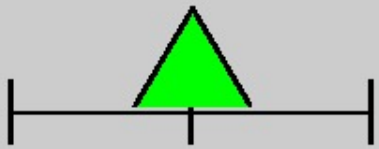

The “AutoGuide” icon will turn green to signal the system is engaged
AUTO
GO
WAAS
10
GNSS
Crosstrack
2 in
Esc

Return to Index

Your Agriculture Company

A+ Heading

In Basic Mode, select the “GO” icon



AUTO

GO

WAAS

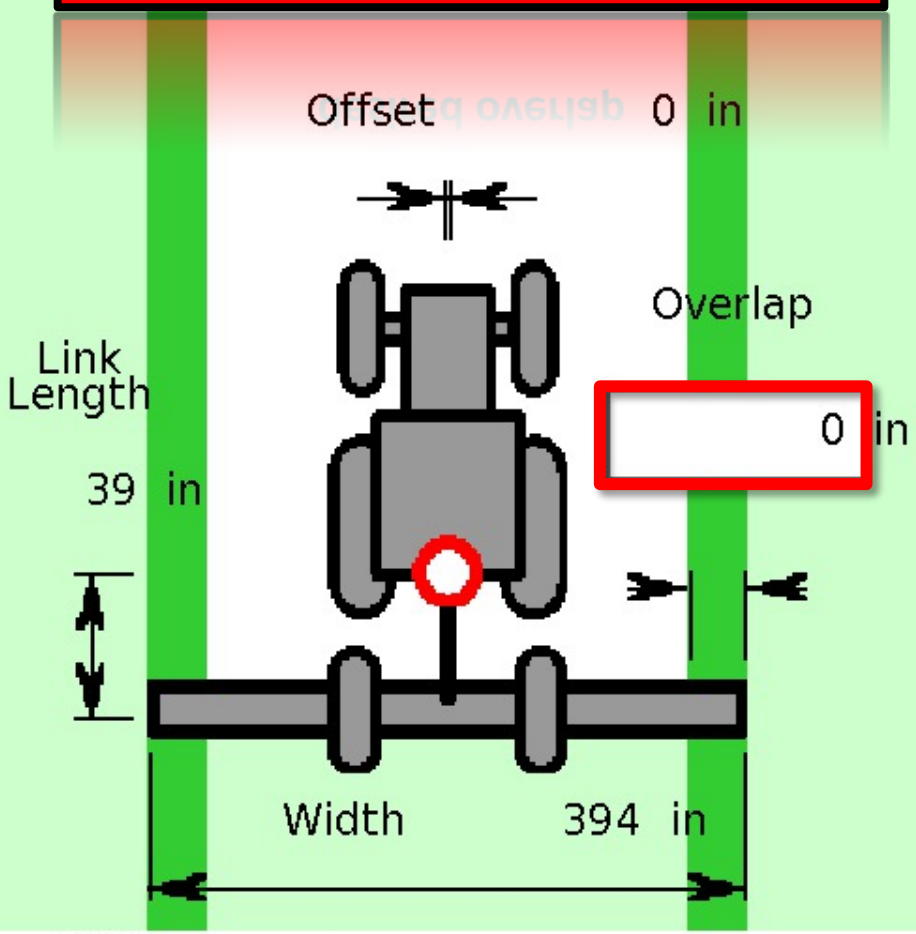
GNSS 9

Crosstrack

-1 in

Esc

Select the highlighted box to input desired overlap

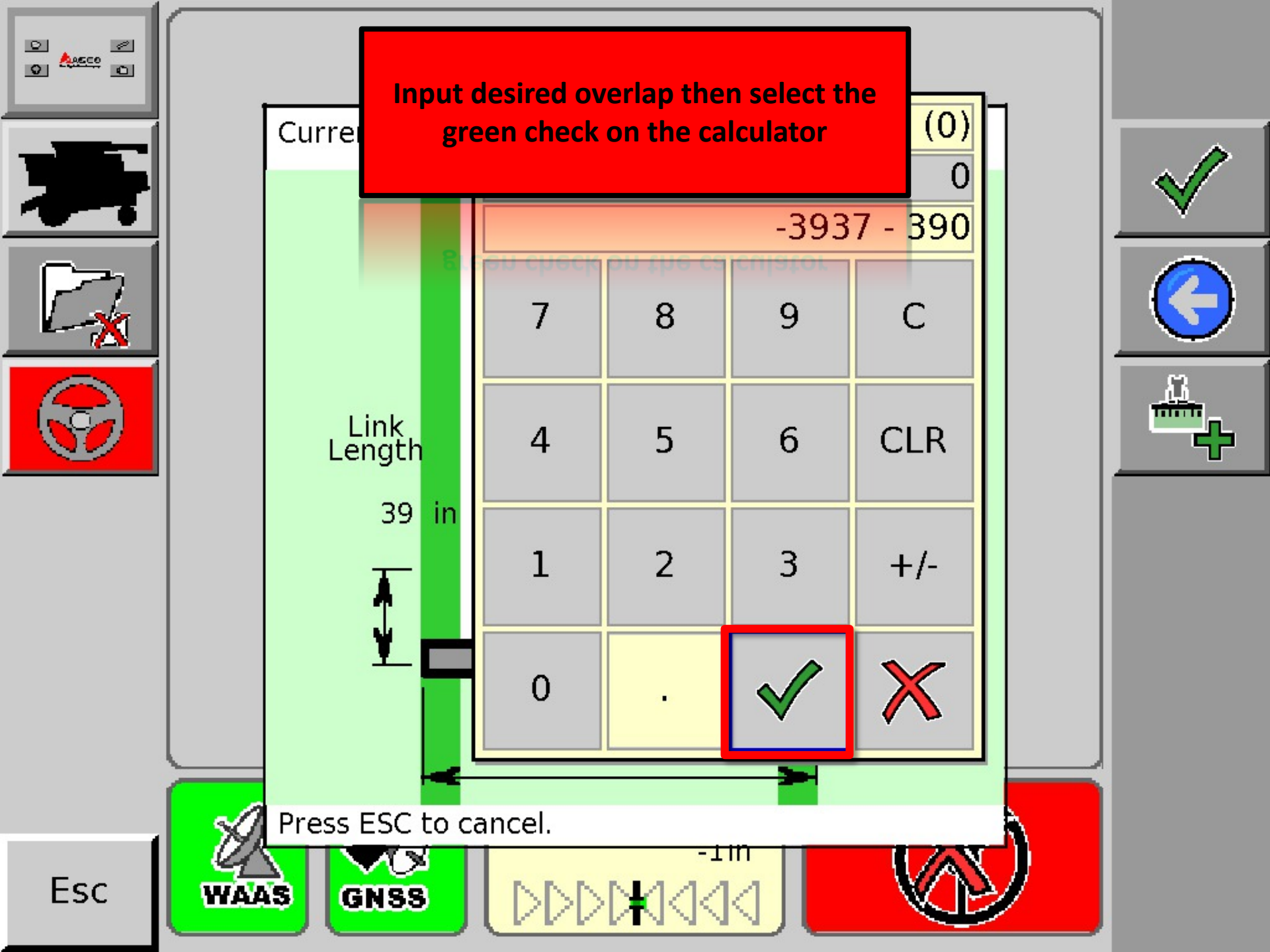


Press ESC to cancel.

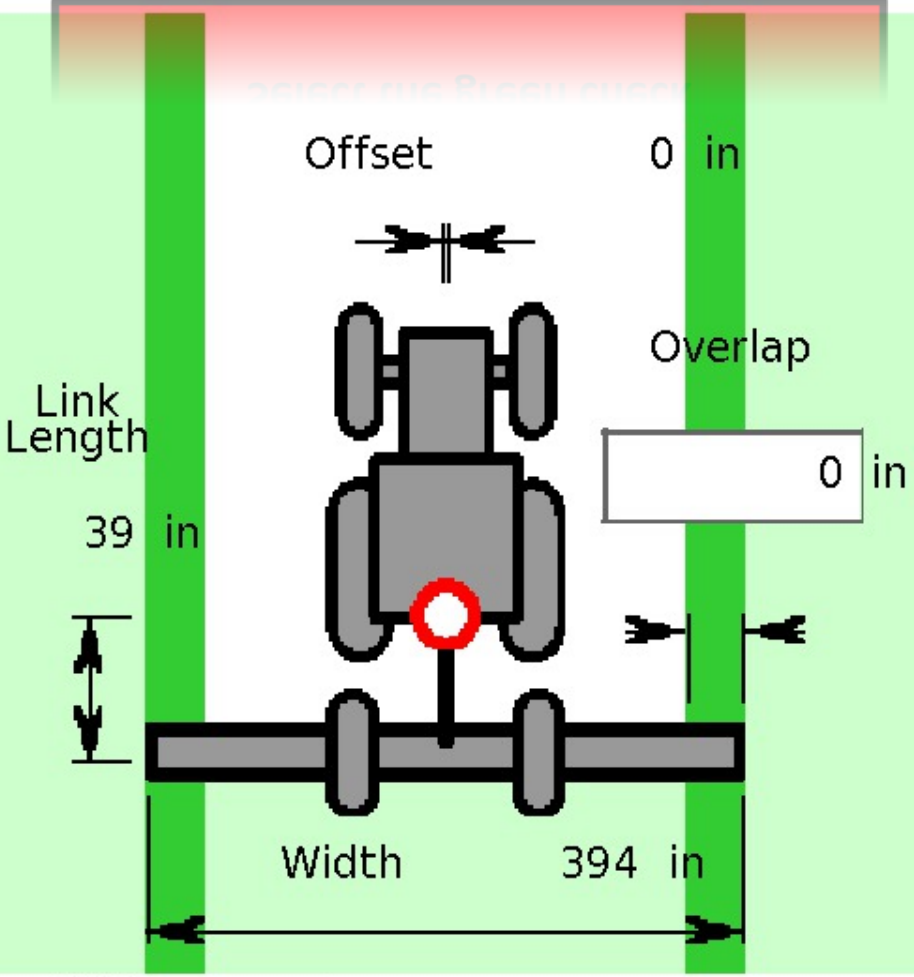
Esc

WAAS

GNSS


Input desired overlap then select the green check on the calculator
Curre
(0)
0
-3937 - 390
7
8
9
C
4
5
6
CLR
1
2
3
+/-
0
.
Link Length
39 in
Press ESC to cancel.
WAAS
GNSS
-1in
Esc

Select the green check



Press ESC to cancel.

Esc

WAAS

GNSS

-1in

To establish an “A+ Heading”, select the highlighted icon

Select

A + B

Contour

A+
Heading

Pivot

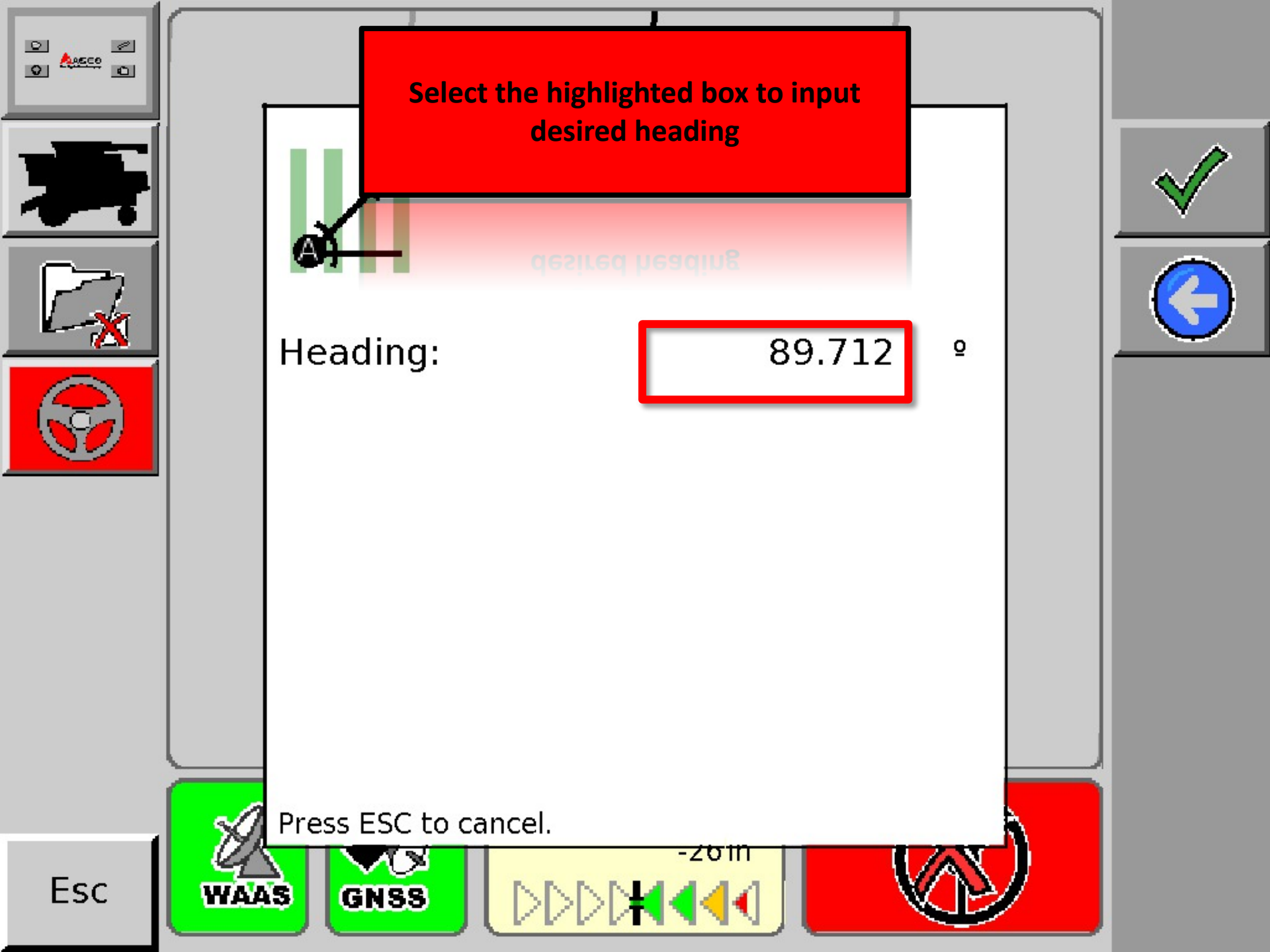
Press ESC to cancel.

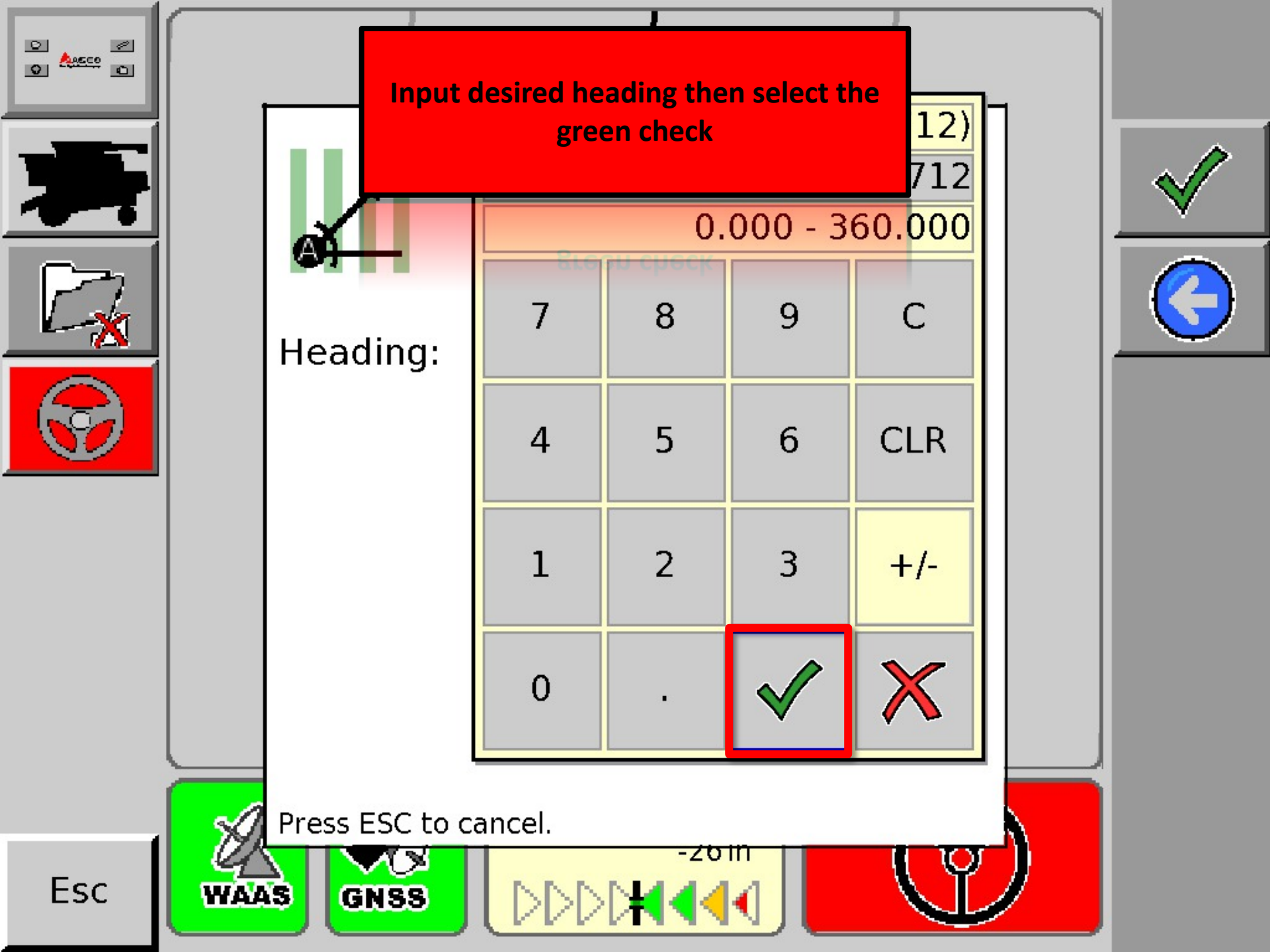
Esc

WAAS

GNSS

-1in

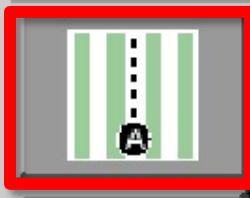

Select the highlighted box to input desired heading
Heading:
89.712
º
Press ESC to cancel.
Esc
WAAS
GNSS
-26 in


Input desired heading then select the green check
12)
712
0.000 - 360.000
Heading:
7
8
9
C
4
5
6
CLR
1
2
3
+/-
0
.
Press ESC to cancel.
WAAS
GNSS
-26 in
Esc

Select the highlighted icon to finalize the “A+ Heading” line

Wayline Start:

Press ESC to cancel.

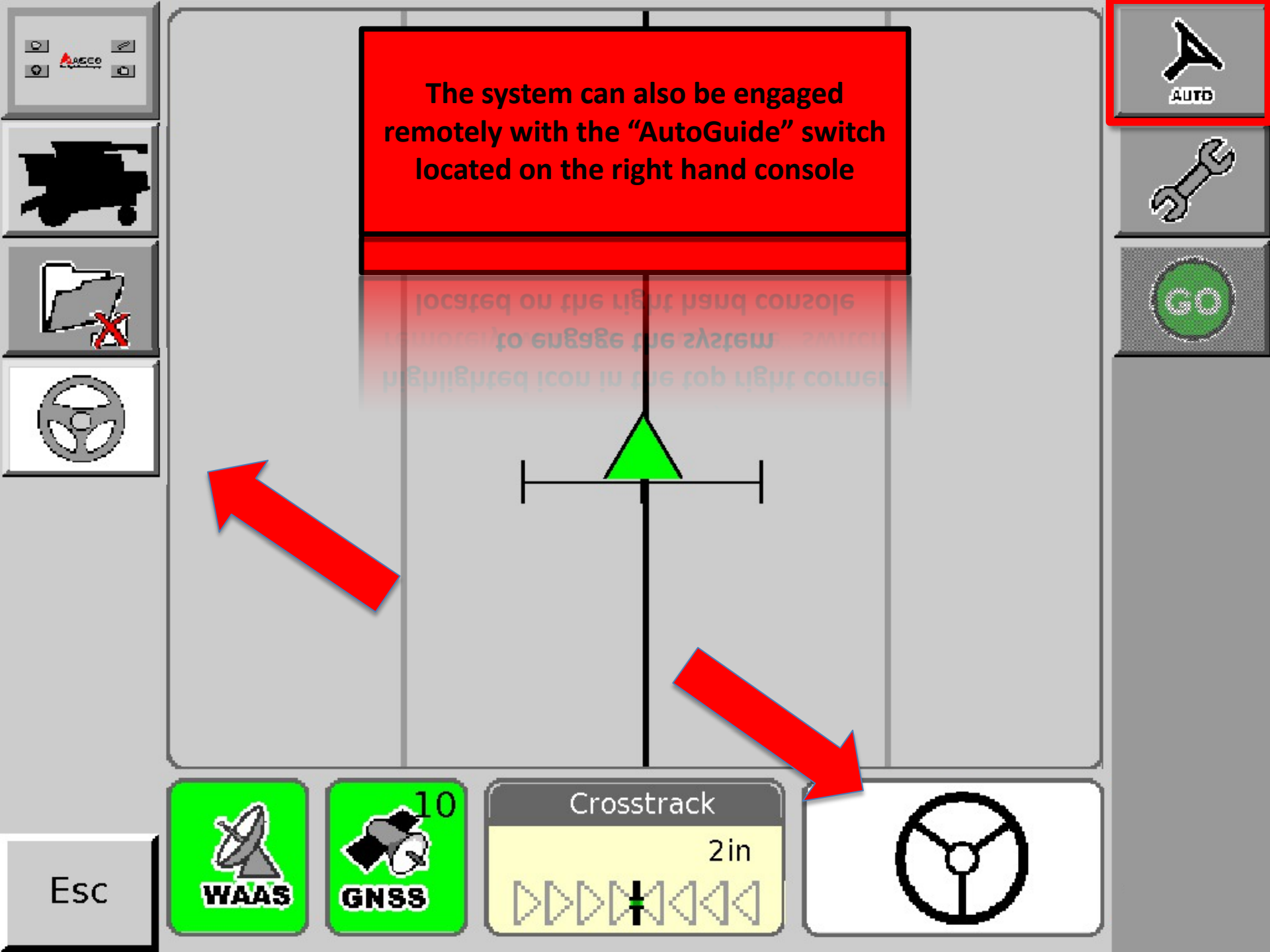


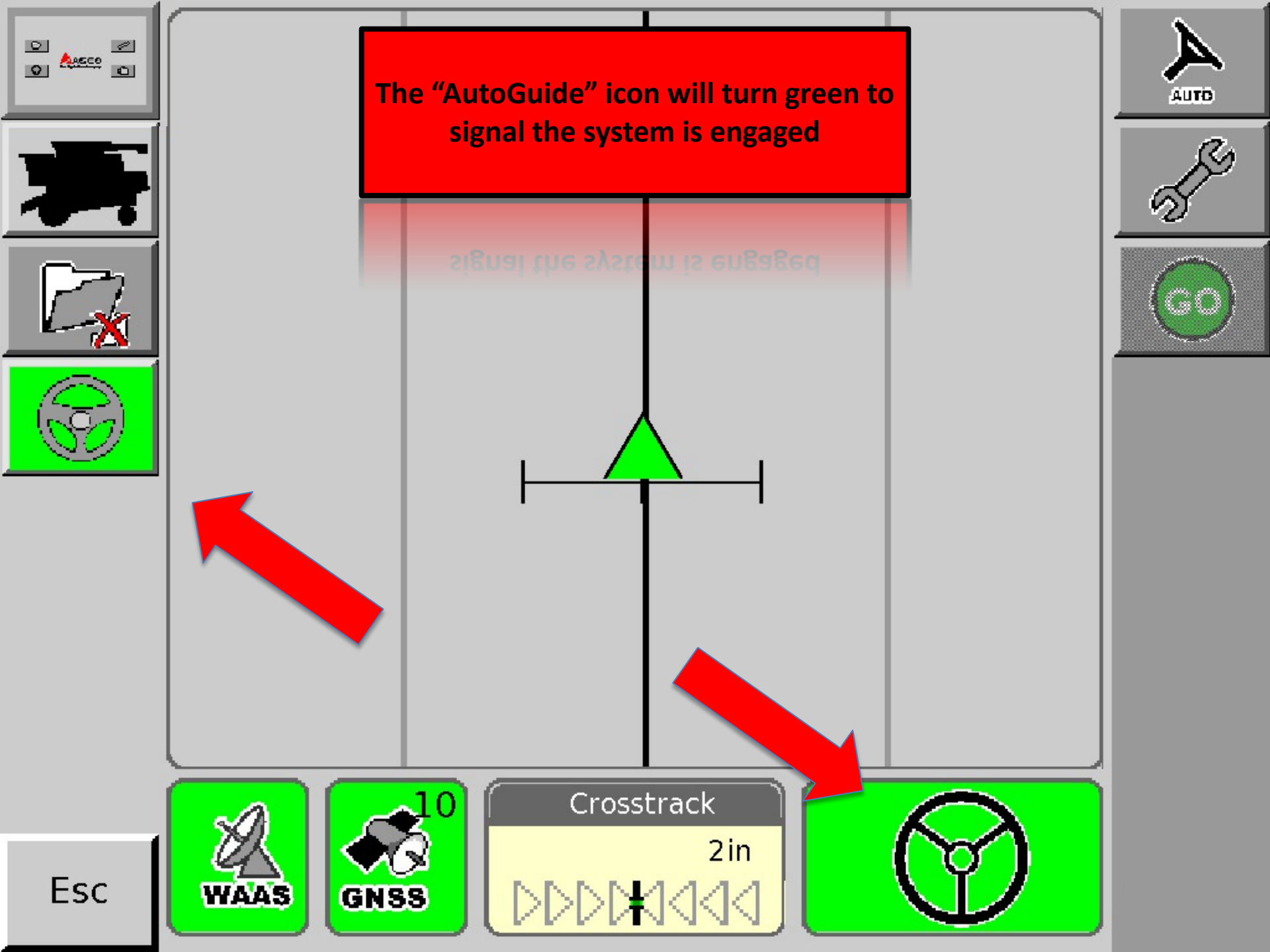
Esc

WAAS

GNSS

-26 in


The system can also be engaged remotely with the “AutoGuide” switch located on the right hand console
AUTO
GO
WAAS
GNSS
10
Crosstrack
2 in
Esc

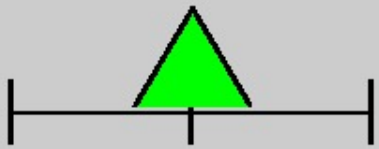

The “AutoGuide” icon will turn green to signal the system is engaged
AUTO
GO
WAAS
10
GNSS
Crosstrack
2 in
Esc

Return to Index

Your Agriculture Company

Pivot

In Basic Mode, select the “GO” icon



AUTO

GO

WAAS

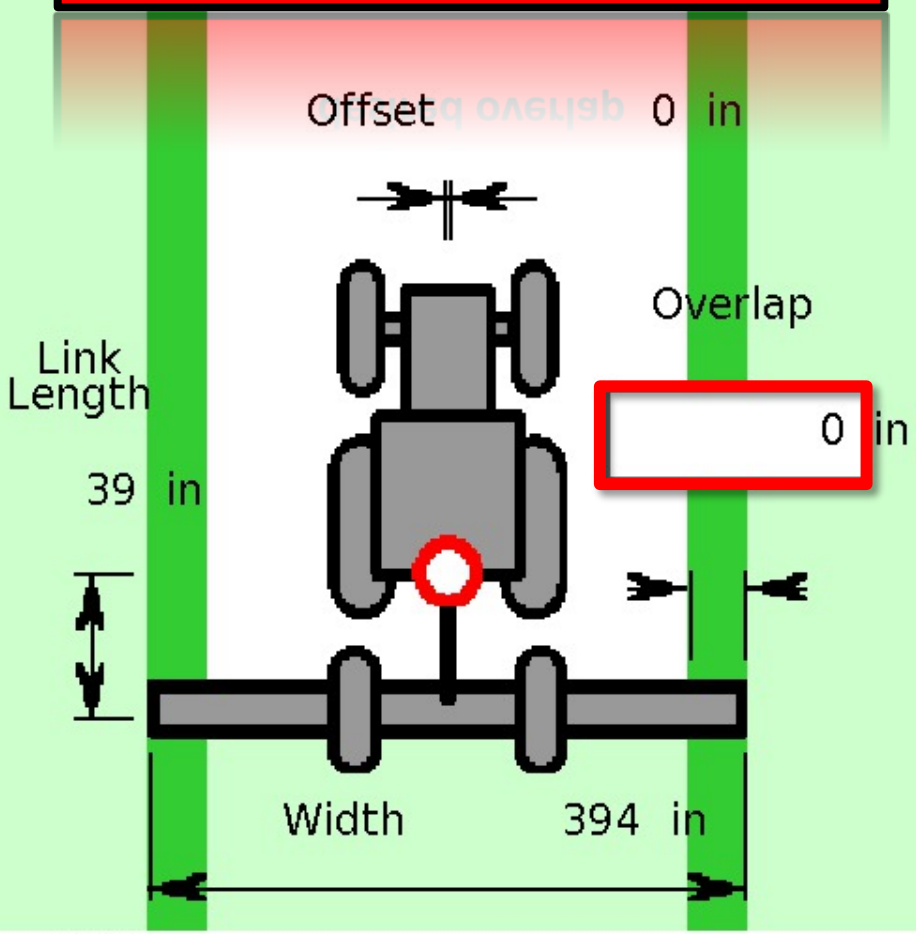
GNSS 9

Crosstrack

-1 in

Esc

Select the highlighted box to input desired overlap

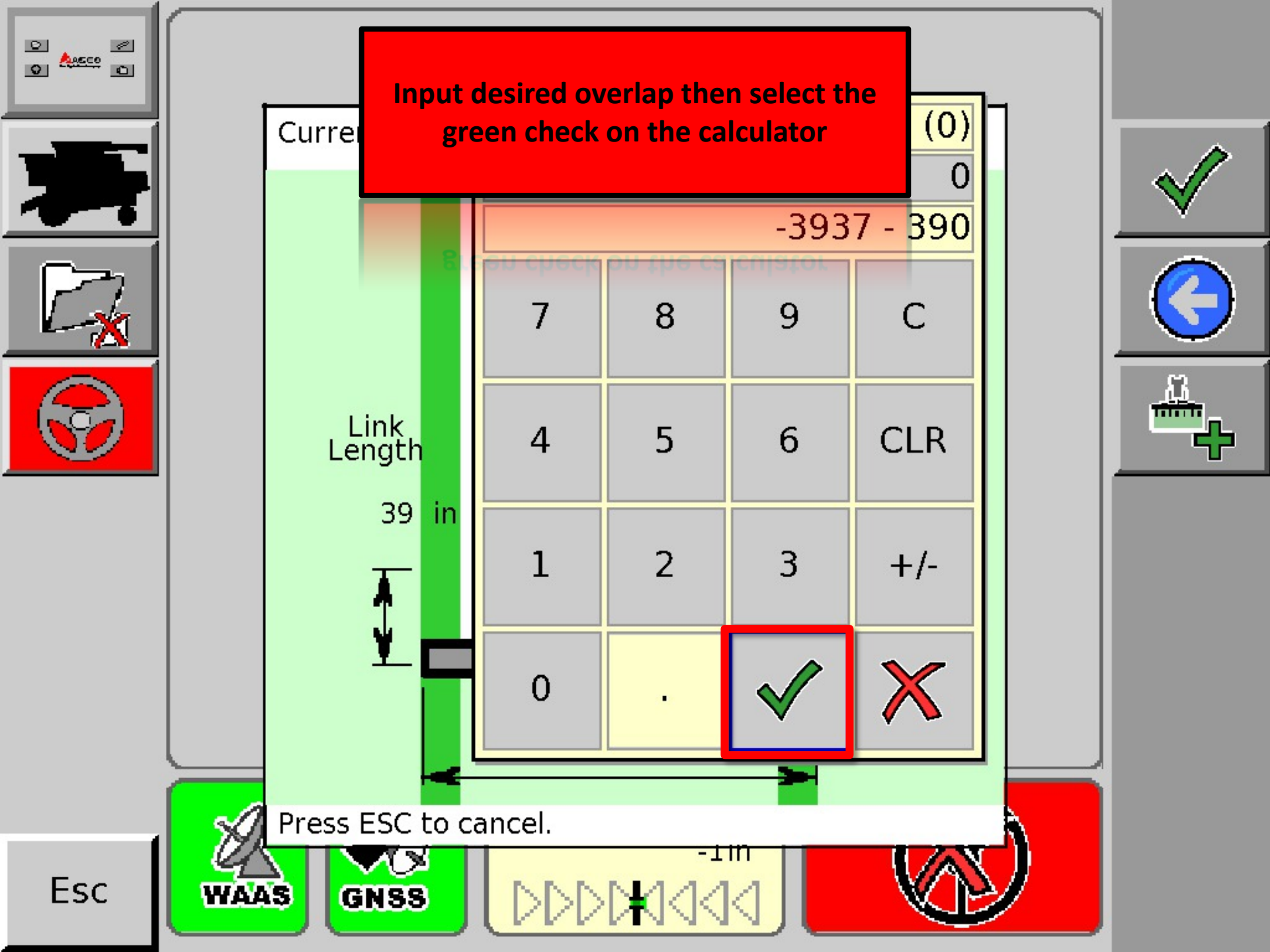


Press ESC to cancel.

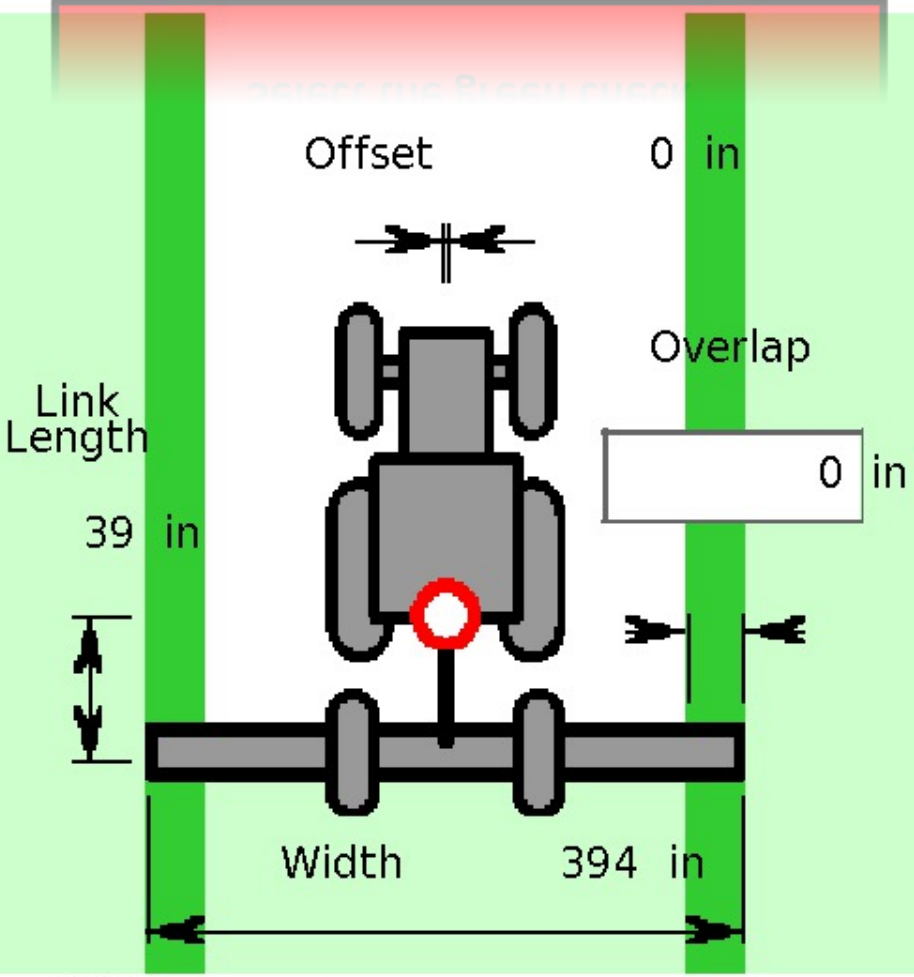
Esc

WAAS

GNSS


Input desired overlap then select the green check on the calculator
Curre
(0)
0
-3937 - 390
7
8
9
C
4
5
6
CLR
1
2
3
+/-
0
.
Link Length
39 in
Press ESC to cancel.
WAAS
GNSS
-1in
Esc

Select the green check



Press ESC to cancel.

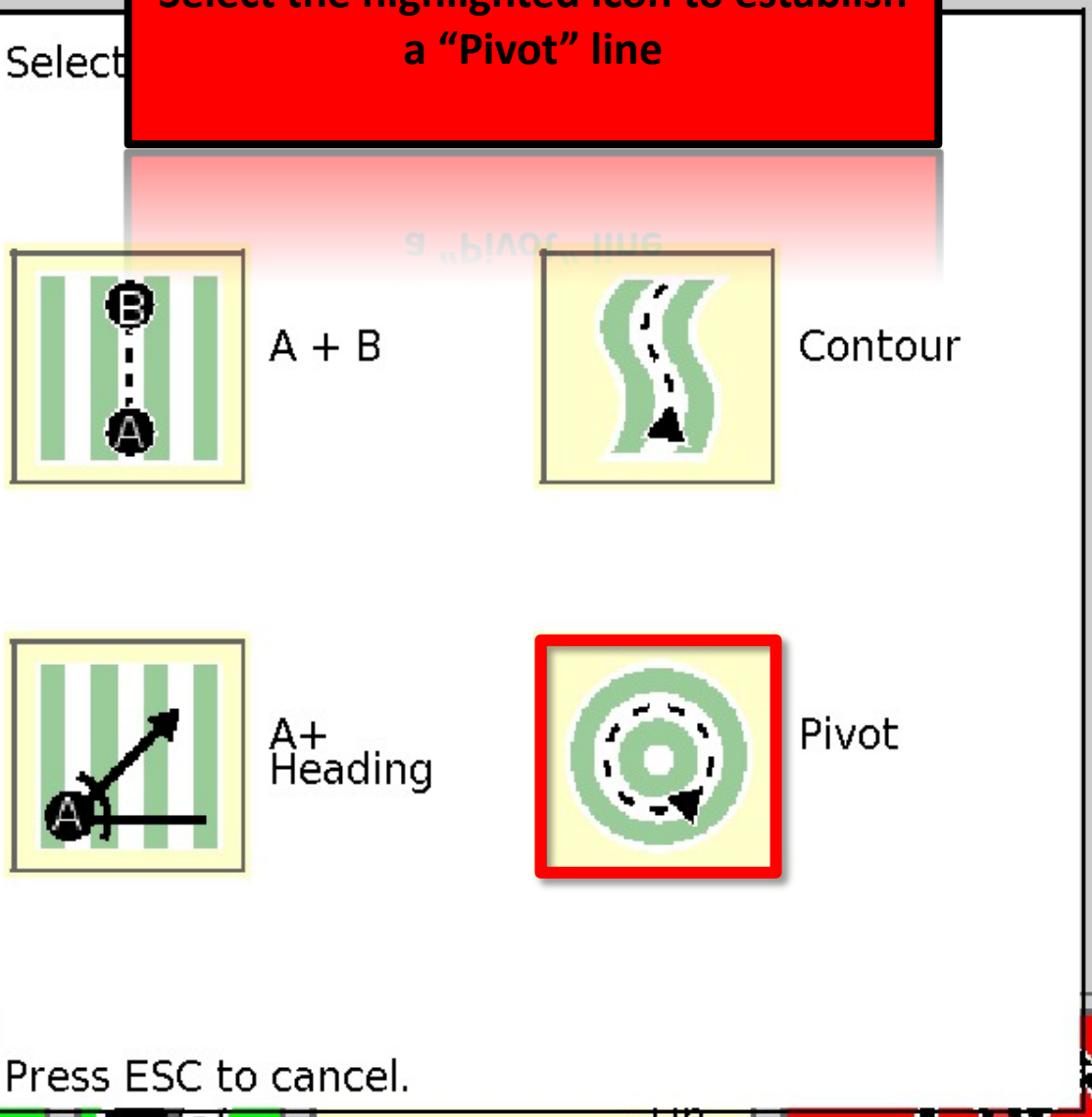
Esc

WAAS

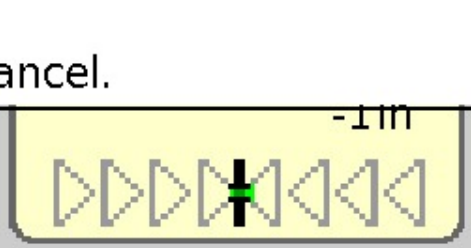
GNSS

-1in

Select the highlighted icon to establish a “Pivot” line



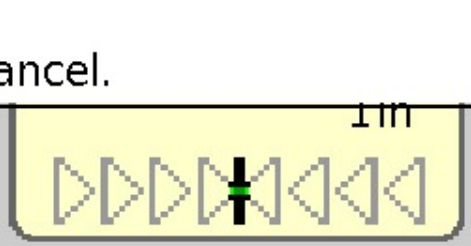
Esc



To define your initial point, select the highlighted icon

Wayline Start:

Press ESC to cancel.



Esc

Follow the pivot circle with the machine until minimum center point accuracy is achieved

Wayline Finish:

Current Point Accuracy	1 in
Minimum Center Point Accuracy	39 in

Press ESC to cancel.

Esc

WAAS

GNSS

1 in

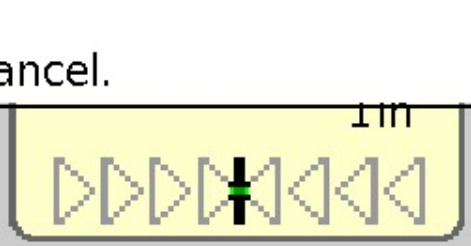
Select the highlighted icon to finalize "Pivot" line

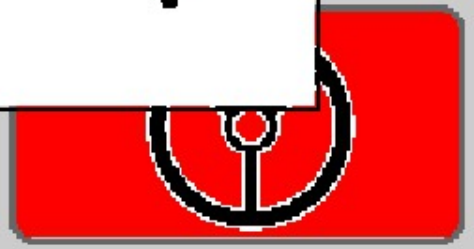
Wayline Finish:

Current Point Accuracy 1 in

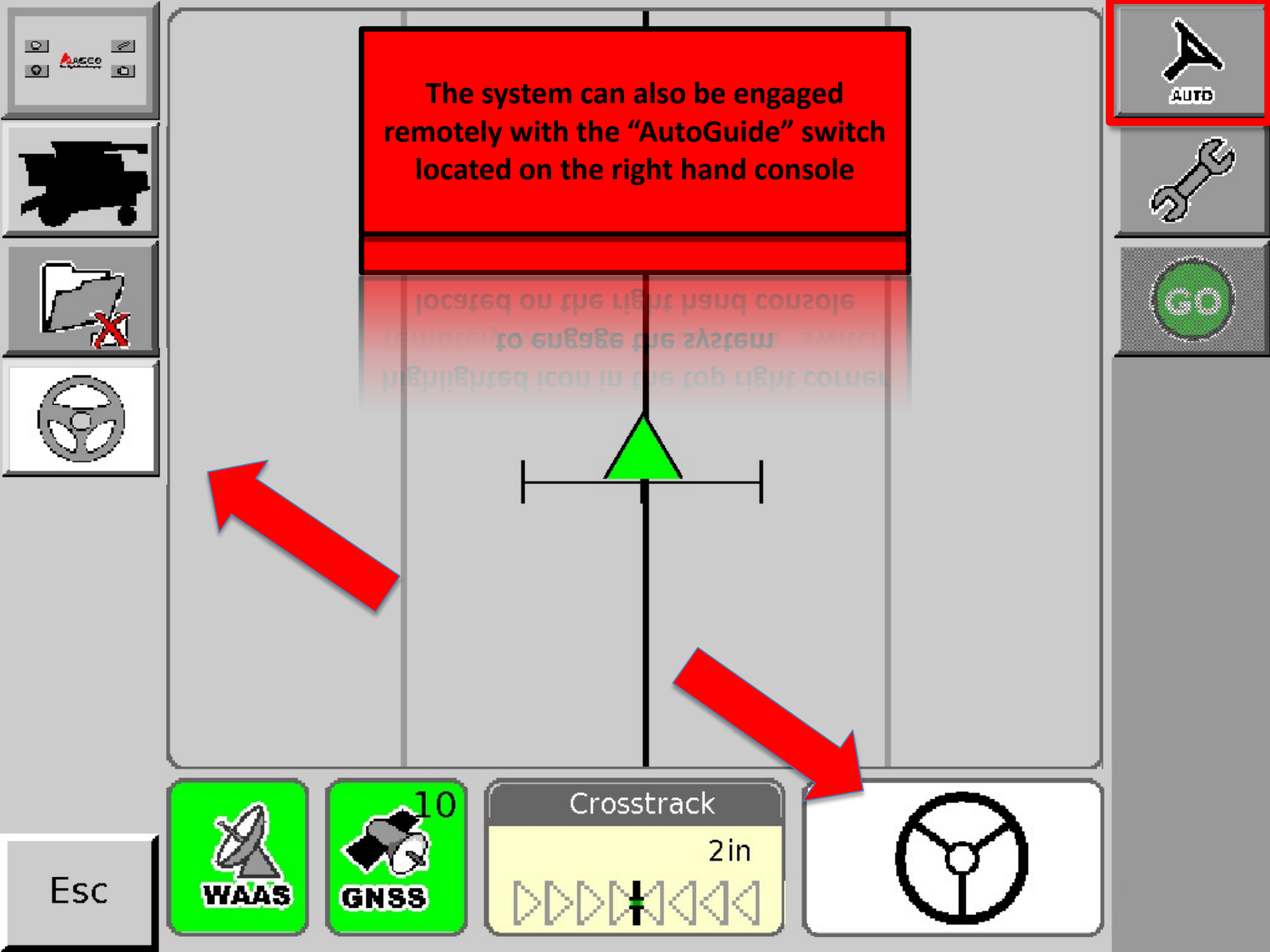
Minimum Center Point Accuracy 39 in

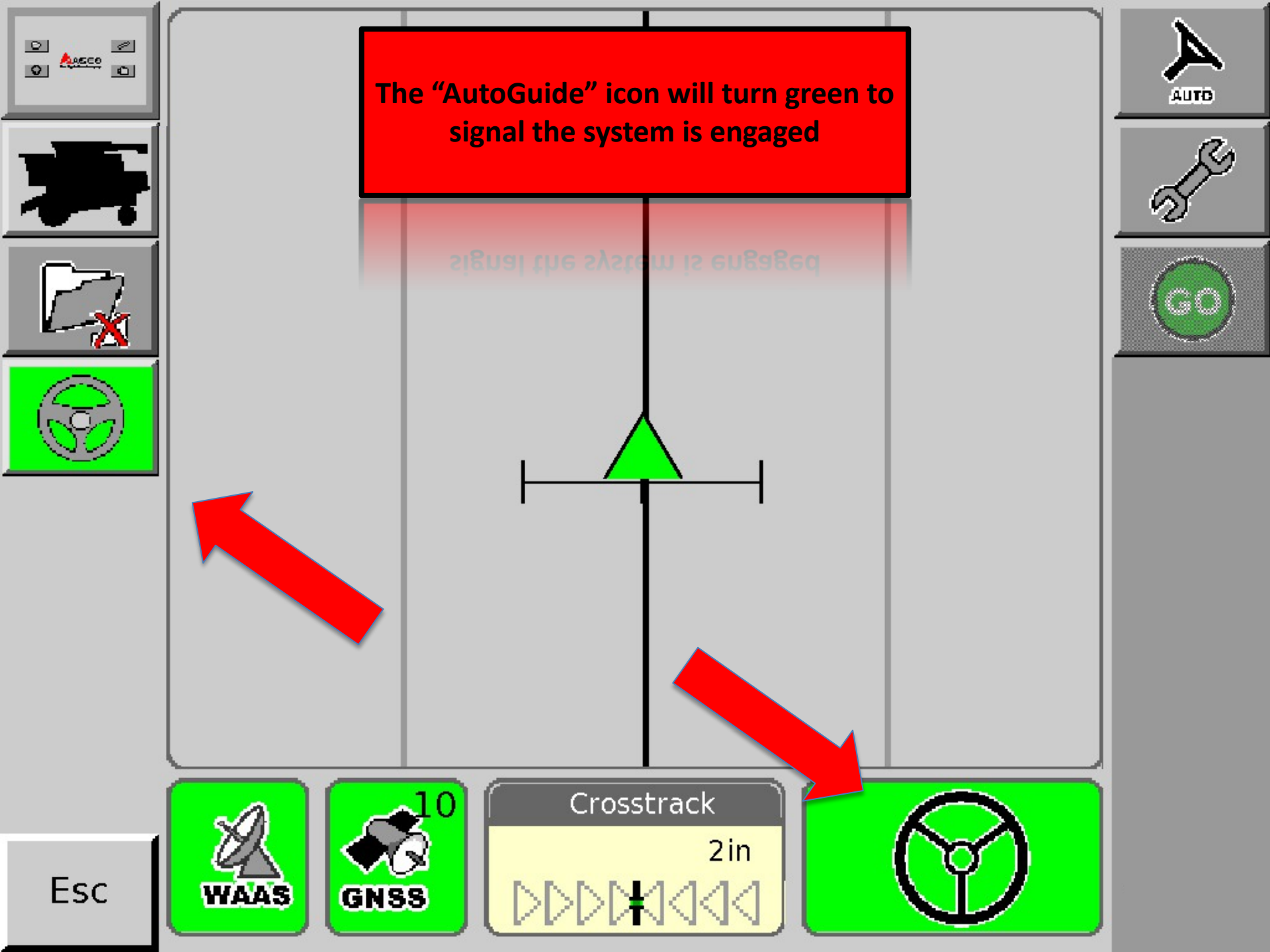
Press ESC to cancel.





Esc


The system can also be engaged remotely with the “AutoGuide” switch located on the right hand console
AUTO
GO
WAAS
GNSS
10
Crosstrack
2 in
Esc


The “AutoGuide” icon will turn green to signal the system is engaged
AUTO
GO
WAAS
10
GNSS
Crosstrack
2 in
Esc

Return to Index

Your Agriculture Company