John Deere AutoTrac™ Controller-Reichhardt™

PFP11784

About This Document

This User Guide will help you learn how to perform common tasks with your John Deere AutoTrac Controller - Reichhardt. It is a supplement to the controller Operator's Manual.

Read the Operator's Manual for the following information:

- How to operate your controller safely
- Theory of operation
- Initial setup
- Diagnostics

Section Contents

John Deere AutoTrac Controller- Reichhardt Calibration

The John Deere AutoTrac Controller- Reichhardt calibration procedure must be completed with a passing status prior to using AutoTrac.

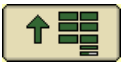
Reichhardt Calibration Procedure

- Calibration procedure will require a large, open, level surface to complete the required steps.
- Calibration procedure will require the tractor to be driven slowly at full throttle for approximately 2 to 5 minutes to bring hydraulic fluid to operating temperature before beginning calibration procedure.

IMPORTANT: Read all instructions before calibrating the AutoTrac Controller.

Calibrate AutoTrac Controller without an implement connected to the tractor to avoid damage to the tractor and/or implement.

Prior to starting the setup, make sure resume switch on the Reichhardt main harness is in the **ON** position.

1. ***Menu*** ..... 
2. ***AutoTrac Controller*** ..... 

3. ***Reichhardt Main Menu*** ..... 
4. Use ***Left***  or ***Right Page***  buttons to navigate to **Setup** button.
5. ***Setup*** ..... 

6. ***OK*** ..... 

Vehicle Code

1. Use ***Decrease***  or ***Increase***  buttons to change vehicle code.

Platform/Tractor Model	Vehicle Code
Fendt 9xx COM 3	110700001
Fendt 9xx up to MY 2009	110600001
Fendt 700/800	110500001
JD 6X00/6X10	110400001

2. Press and hold ***OK***  until audible sound is heard (0.5 seconds aprox.)
3. Use ***Left***  or ***Right***  arrow buttons to select ***Save***  or ***Do Not Save***  buttons.

*NOTE: Choosing the **Do Not Save** button will result in the inability to advance to the next step.*

4. ***OK*** ..... 

Wheelbase

NOTE: For best performances, use a tape measure to accurately determine machine wheelbase.

1. Use ***Decrease***  or ***Increase***  buttons to change vehicle wheelbase.

Platform/Tractor Model	Wheelbase
Fendt 9xx COM 3	3.10 m (10 ft 2.04 in.)
Fendt 9xx up to MY 2009	3.00 m (9 ft 10.10 in.)
Fendt 700/800	2.70 m (8 ft 10.30 in.)
JD 6X00/6X10	2.40 m (7 ft 10.48 in.)

2. Press and hold ***OK*** ..... 

Current Controller

1. Select ***OK*** button  on caution screen.

2. Press and hold ***Start***  until text in middle of the screen starts counting down from 30 seconds.

3. ***OK*** ..... 

Valve Deadband Left

1. ***Start*** ..... 

2. Using ***Decrease***  or ***Increase***  buttons adjust to the lowest setting that gives smooth wheel motion.

3. Press and hold ***OK*** ..... 

Valve Deadband Right

1. ***Start*** ..... 

2. Using ***Decrease***  or ***Increase***  buttons adjust to the lowest setting that gives smooth wheel motion.

3. Press and hold ***OK*** ..... 

Wheel Angle Sensor Left Calibration

1. Turn wheels to left stop and hold the steering wheel in place.

2. Press and hold ***OK*** ..... 

Wheel Angle Sensor Center Calibration

1. Align wheels straight and hold the steering wheel in place.

NOTE: It is recommended to pick a point in the horizon ahead of machine, slowly drive forward while adjusting steering wheel until driving in a straight line.

2. Press and hold ***OK*** ..... 

Wheel Angle Sensor Right Calibration

1. Turn wheels to right stop and hold the steering wheel in place.

2. Press and hold ***OK*** ..... 

Pressure Sensor Calibration- Standby Pressure

1. Make sure engine is running.
2. Do **NOT** move the steering wheel.
3. Press and hold ***OK*** ..... 

Tractor Turning Diameter- Left

1. Use ***Decrease***  or ***Increase***  buttons to enter tractor's minimum left turning diameter.

Platform/Tractor Model	Turning Diameter
Fendt 9xx COM 3	11.00 m (36 ft 10.68 in.)
Fendt 9xx up to MY 2009	10.60 m (34 ft 9.31 in.)
Fendt 700/800	8.70 m (28 ft 6.51 in.)
JD 6X00/6X10	8.10 m (26 ft 6.88 in.)

2. Press and hold ***OK*** ..... 

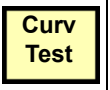
Tractor Turning Diameter- Right

1. Use ***Decrease***  or ***Increase***  buttons to enter tractor's minimum right turning diameter.
2. Press and hold ***OK*** ..... 

Health Test

Utilize the **Health** and **Curvature Test** only if performance issues are present.

1. ***Reichhardt Main Menu*** ..... 
2. Use ***Left***  or ***Right***  arrow buttons to navigate to **Health Test** button.
3. ***Health Test*** ..... 

4. Use ***Left***  or ***Right***  arrow buttons to navigate to **Curv Test** button.
5. ***Curv Test*** ..... 

6. ***OK*** ..... 

7. ***Start*** ..... 

8. Drive circles clockwise/counter clockwise until the radius shows a stable value and does not change.
9. Write down these values because they will need to be entered into the display during the turning diameter calibration process.

Radius
0.0 m
5.6 m

10. Double the radius value to get the left or right turning diameter.
11. Repeat steps in the opposite direction to get turning diameter in opposite direction.
12. Go to Step 1 of the Reichhardt Calibration Procedure and follow the steps. At ***Tractor Turning Diameter- Left/Right*** steps, enter the manually figured values during ***Curv Test*** in place of recommended values.

NOTES