



**John Deere**  
**AutoTrac™ Controller-**  
**Reichardt™**



PFP11784



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## 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

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### 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.

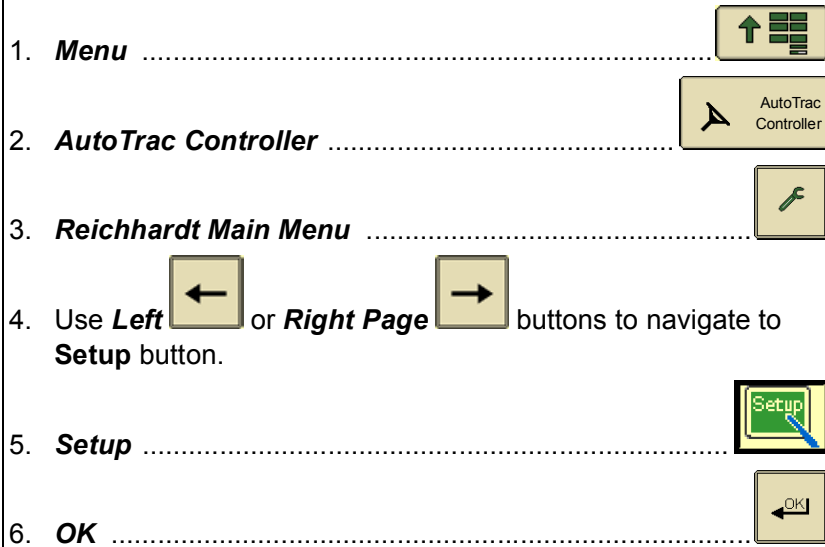
#### Reichhardt Calibration Procedure

- 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.



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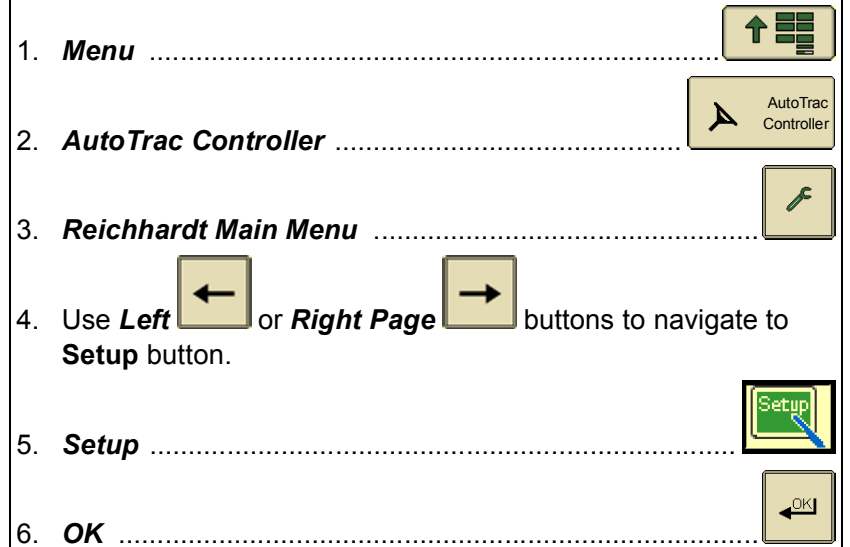
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

**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.



Vehicle Code


Vehicle Code


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





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


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

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2. Press and hold **OK**  until audible sound is heard (0.5 seconds aprox.)

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3. Use **Left**  or **Right**  arrow buttons to select **Save**  or **Do Not Save**  buttons.

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



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

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

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** 

**Wheelbase**



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2. Press and hold **OK** 




**Current Controller**

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


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. 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** ..... 



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

**Pressure Sensor Calibration- Standby Pressure**


1. Make sure engine is running.
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

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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** .....  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. 

Radius
0.0 m
5.6 m
9. Write down these values because they will need to be entered into the display during the turning diameter calibration process.
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.

### Health Test

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