NEW HOLLAND

REPAIR MANUAL

IntelliSteer™ Auto Steering System Troubleshooting

TG Series Tractors
TJ Series Tractors



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Controller Guidance System Fault Code 33 "Gyro Z Undervoltage"

Cause

A critical autoguidance system fault has occurred. This error occurs when the voltage from the Z-axis gyro is sampled at a value less than 0.00076 volts. The fault condition must be cleared to resume autoguidance operation.

Possible failure modes:

The display has a system status bar on the bottom center of the main screen. If the system is operational, a person should see a message "System Ready". If the system is not working correctly due to a controller system fault, a "System Fault Detected" message should appear.

This error occurs when the voltage from the Z-axis gyro is sampled at a value less than 0.00076 volts.

NOTE: *If this is a very intermittent problem, use the display to clear the controller fault and continue to operate.*

STEP 1 Clear the fault code.

A. On the display check the fault detail screen.

B. From the main menu, select INFO and then select FAULTS.

C. Record the fault code. Now select CLEAR FAULT.

STEP 2 Check version of controller firmware.

A. On the display check the software version screen.

B. From the main menu, select INFO and then select VERSION.

C. Review the application version and date.

D. Update firmware to latest revision if available

STEP 3 Drive the vehicle 6-8 mph for about 100 yards to orientate the Controller gyro.

A. If the fault code reappears, contact technical support.

B. If the Fault Code is a persistent problem, replace the controller. Possible causes include IMU sensor or cable failure.

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