

Diagnosing guidance line location issues

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Symptoms:

Imported guidance lines into display are not in the correct location:

- Tractor is manually steered down lines displayed on T3RRA.

- Tractor is auto steered down lines.

- Auto and manual steering result in significantly different paths.

Possible causes with solutions:

Cause: For 2630 only - Repeat box was not checked.

Solution: For 2630 only - check Repeat box then cycle.

Cause: Survey data used to Generate paths captured on a different correction source (SF3, Dealer base, SF1 and others).

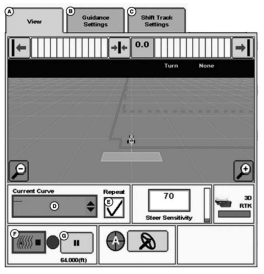
Solution: Due to the in-ability to complete North-South, East-West shift for Guidance lines in a JD display, we cannot correct or guarantee the accuracy of lines created from another correction then the correction used to survey them. It is best practice and highly recommended that users survey, design, and implement from a single GPS source.

Cause: Survey completed from Dealer base and implementing from a Quick survey base

Solution: It is always good practice to implement with an absolute base. If there is a dealer network base coverage available at the location of the base used for implementation, we highly recommend connecting that base to the dealer network as a vehicle. Take note of the lat/long and elevation values then enter those details into the base location after configuring the base to absolute base. (refer to JD technical documentation for more information on editing base parameters).

Guidance

Repeat Mode



A—View
B—Guidance Settings
C—Shift Track Settings
D—Current Curve
E—Repeat Checkbox
F—Record
G—Pause

While using adaptive curves repeat mode:

- Repeat on—Repeats previous paths and disables recording.
- Repeat off—Enables recording and projects guidance paths off recorded passes.

To record a new path, uncheck (off) Repeat (E).

When turning around on end or coming back after an obstacle where recording is off, operator is able to see line without turning recording on.

Default is off. If Repeat is on, recording is disabled.

Examples:

To record new a path (such as planting) uncheck (off) Repeat (E).

To follow an existing path (such as spraying or harvesting), check (on) Repeat.

Saving Curve Track Data

IMPORTANT: If it is desired to have repeatability with saved Curve Track data, it is required that the Initial Curve Track data and subsequent trips across the field be made using StarFire RTK (Real Time Kinematics) accuracy. RTK base station should be operating in Absolute Base mode.

NOTE: Set up of client, farm, and field is not required for curve track operation. It is required to save track and be repeated.

Stored curve track data is assigned to a client, farm, or field name that is set up in the Resources softkey > Resources tab.

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