

GPS Tractor Guidance Safety

Operate Guidance Systems Safely¹

Do not use guidance systems on roadways. Always turn off (disable) guidance systems before entering a roadway.

Do not attempt to turn on (activate) a guidance system while transporting on a roadway.

Guidance systems are intended to aid the operator in performing field operations more efficiently.

The operator is always responsible for the machine path.

Guidance Systems include any application that automates vehicle steering. This includes, but may not be limited to, AutoTrac, iGuide, iTEC Pro, ATU, and RowSense.

To prevent injury to the operator and bystanders:

- Never get on or off a moving vehicle.
- Verify the machine, implement, and guidance system are set up correctly. If using iTEC Pro, verify accurate boundaries have been defined.
- Remain alert and pay attention to the surrounding environment.
- Take control of the steering wheel, when necessary, to avoid field hazards, bystanders, equipment, or other obstacles.
- Stop operation if poor visibility conditions impair your ability to operate the machine or identify people or obstacles in the machine path.
- Consider field conditions, visibility, and vehicle configuration when selecting vehicle speed.

AGI ISO VT Important Safety Information²

Operator Alertness and Responsibility

The AGI ISO VT AutoGuidance System helps the operator to steer the vehicle, but the operator remains in charge and must be alert and in complete control of the vehicle at all times. The operator is ultimately responsible for safe operation of this equipment. It is essential that safety requirements are met when operating the AGI ISO VT and any of its components. All operators and other relevant personnel must be advised of safety requirements.

Electrical Safety

Warning: Incorrectly connected power can cause severe injury and damage to people or the equipment.

When working with electrical components, you must do the following:

- Make sure the negative terminal of the battery is disconnected before doing any welding on the vehicle.
- Check that all power cables to system components are connected to the correct polarity as marked. Please refer to the vehicle manual for safety information.

¹ John Deere Green Star Manual

² Topcon Guidance Systems

Operation and Risk of Obstacles

The following list is not exhaustive or limited. To use the AGI ISO VT for assisted steering along a defined wayline, the operator must ensure that it is used:

- Away from people and obstacles
- Away from high voltage power lines or other overhead obstructions (identify any clearance problems before activating the AGI ISO VT)
- On private property without public access
- Within cleared fields
- Off public roads or access ways.

Note that:

- The operator needs to know the vehicle's position and the field conditions at all times.
- The operator will need to respond if the GNSS satellite or differential correction signal is lost momentarily.
- The AGI ISO VT cannot detect obstacles (people, livestock or other).
- Only use the AGI ISO VT in areas that are clear of obstacles and keep a proper distance.
- Steering needs to be disengaged for manual control if an obstacle appears in the path or the vehicle moves away from the wayline.

On/Off and Manual Control

Warning: Ensure the steering switch is in the OFF position to prevent unintentional engagement of the assisted steering.

The operator must ensure that the steering switch is in the Off position (all LED indicators are off) when assisted steering is not being used.

The operator must disengage assisted steering and use manual control if an obstacle is in the line of travel or moves into the line of travel, or if the vehicle steers away from the desired wayline.

To disengage assisted steering:

- Turn the steering wheel a few degrees OR
- Select the Disengage Auto Steering button on the console
- AND/OR
- Move the steering switch to the OFF position if the above actions
- do not disengage assisted steering.
- **Vehicle Shut Down Safety**

Before leaving the vehicle, disengage assisted steering, turn the steering switch to the OFF position, and remove the key from the key switch.

Using a Reference (Base) Station

WARNING: Do not move a reference station while in operation. Moving an operating reference station can interfere with the controlled steering of a system using the reference station. This could result in personal injury or damage to property. Operators and other affected personnel must be advised of the following safety precautions.

- Do not erect the reference station under or within the vicinity of
- high voltage power lines.
- When using the portable reference station, make sure the tripod is securely mounted.