

1.5 | Important Safety Information

September 2026

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1.5 | Important Safety Information

> ⊘ **WARNING:**
> The **COMMAND** system can automatically control hydraulic movement without operator input.
> Ensure all personnel remain clear of the implement during operation.

General Safety Guidelines

Read and Understand Instructions

Operators must read this manual in full before using the system. Do not operate the system without a complete understanding of its controls and functions.

Authorized Personnel Only

Only trained and qualified individuals should operate, maintain, or service the **COMMAND** system.

Operator Responsibility

COMMAND is designed to assist with land levelling but does not replace operator supervision. The operator must remain alert and in control at all times.

Operational Safety

Supervise All Automated Movements

The landforming implement may move automatically based on GNSS and IMU sensor inputs.

Maintain Safe Distance

Never stand or allow others to stand near the implement, blade, or hydraulic components while the system is engaged.

Manual Override

Ensure all operators are familiar with how to disengage or manually override the system in an emergency.

System Activation Warnings

Automatic Movement Hazards

> ⚠ The blade or land levelling implement may move without manual input during automatic operation. Clear the area of personnel before activating the system.

Hydraulic Pressure Hazards

> ⚠ This system operates using high-pressure hydraulic components. Do not inspect, service, or disconnect hydraulic lines while the system is active or pressurized. Use caution when working near hoses and actuators.

Sensor and Signal Dependency

GNSS Dependency

The system relies on accurate GNSS input. A degraded or lost signal may lead to incorrect implement height or tilt adjustments.

IMU Sensor Calibration

Incorrect sensor calibration may cause unintended implement movement.

Terrain and Environmental Awareness

Survey Field Conditions

COMMAND cannot detect soft ground, underground obstacles, ditches, or debris. Make sure to manually inspect and clear the field before using the system.

Slope Limits

Avoid operating the system on steep or uneven terrain beyond rated slope specifications. Excessive tilt may cause machine tipping or unsafe implement engagement.

Maintenance Safety

Pre-Start Inspection

Before each operation, inspect all components, including hydraulic lines, sensor mounts, and electrical connections.

Lockout/Tagout for Servicing

Fully power down the tractor and disable the land levelling system before performing any maintenance.

Emergency Protocols

Emergency Stop

Ensure the operator is aware of the tractor emergency stop mechanism location and function. Test according to machine or implement manufacturer's conditions and recommendations.

Error Handling

If the system displays a fault code, sensor error, or warning alert, cease operation immediately and refer to Section 10: Troubleshooting.

Bystander & Site Safety

No Passengers

Never allow anyone to ride on the implement or tractor while the system is operating.

Establish Exclusion Zone

Mark the working area clearly. Unauthorized personnel should remain clear of the worksite during automated operations.

Safety Labelling and Hazard Indicators

Ensure all safety labels on the implement and control interface are clean, visible, and intact. Replace damaged or unreadable labels immediately.

Before Proceeding

Before installing or operating the **COMMAND** system:

- Read and understand all safety information in this section
- Ensure all operators are familiar with machine safety and system disengagement procedures
- Contact T3RRA if any information within this manual is unclear

Proceed to Section 2 | System Overview