

Plow Guard™ Plow Balance System

Front plow road weight control

Certified Power
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Plow Guard™ enables single-switch control of balanced road pressure

The **Plow Guard™ System** is an electrically controlled, hydraulically reactive system that automatically balances front plow weight for optimal road contact. Its patented design stays engaged even when the plow is raised, resuming function when lowered. The system adjusts to road contours and allows weight customization for changing conditions. By improving traction and steering control, it enhances safety and plowing efficiency, while reducing operator fatigue, equipment wear, and maintenance costs. Plow Guard™ can be factory-installed or retrofitted, with flexible mounting and switch options.



- Available in full or half load sense versions
- Easy to use, rotating manual weight adjustment
- Multiple porting configurations for easy connections and mounting
- Weatherproof Deutsch coil connections with LED troubleshooting cables

Operational Benefits

- Extended plow cutting edge life
- Increased driver safety by transferring plow weight to the truck steer tires
- Lowered operator fatigue from noise and vibration transmitted to the cab
- Compatible with load sense and gear pump central hydraulic systems



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Plow Guard™ Advantages

Using the PGS increases operator driving safety by transferring weight to the steer tires, providing improved steering traction, enhanced truck control, and a more efficient plowing operation. It also reduces operator fatigue by minimizing cab vibration and noise, while decreasing wear and tear on the plow system, vehicle frame, and steering components. These benefits lead to lower maintenance costs, increased truck uptime, and reduced fuel consumption.

Operation

Patented features mean the operator is not required to re-engage the system using the ON/OFF switch if the front plow is raised to avoid an obstacle. The plow is simply lowered back to the ground after being raised. When engaged, the front plow automatically follows the contours of the road surface. The amount of plow weight contact is adjustable to optimize performance based on the required plowing conditions.

Installation

The **Plow Guard™ System** is available as an included component with new hydraulic control systems, or as an add-on to existing plow trucks. Multiple switching and mounting options are available.

Key Features

- Automatically balances front plow weight to maintain consistent road contact
- Electrically enabled and hydraulically reactive for responsive and adaptive performance
- Designed for use with both new and existing plow truck systems
- Engineered to enhance operational safety, efficiency, and equipment life



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