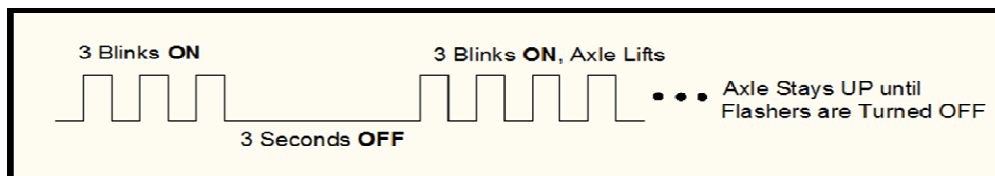


Proviso Plus P200A Operator's Manual

The Proviso Plus system automatically controls the operation of the lift axle.

The axle can be lifted automatically for 3 reasons. Each of these are independent and can hold the axle UP.

- **Reverse Lift** - The axle will lift after ~8" of constant reverse movement. The axle will remain lifted until the vehicle is moved forward a preset distance of 1 – 3 m (10ft).
- **Load Control Lift** - The axle will lift when the weight of the vehicle is under the preset weight. This means the axle will lift automatically when the vehicle is empty.
- **4-Way Flasher Lift** - The axle can be lifted using the 4-way flashers in the correct sequence while travelling under the preset speed of 60km/h. The sequence is as follows:



The axle will automatically lower if all three conditions are met. The vehicle is loaded and travelled forward if it lifted for reverse and the 4 ways are off.

- **Load Control Lower** - The axle will lower only when the weight of the vehicle is loaded. The load must be over the preset amount and the forward speed is less than 4 miles/hr. This means the axle will lower automatically when the vehicle is full.
- **Forward Distance After Reverse** - The axle will lower when the vehicle has travelled forward after the axle was lifted due to the Reversing. The vehicle must be loaded
- **4-way Flasher Drop** - The axle will lower when the 4 way flashers are turned OFF. Turning the turn signal ON overrides the 4-way flasher. The axle will also drop if the vehicle goes over the preset speed usually 60 KM/H. The vehicle must be loaded
- **Power Down** – The Axle will drop when the truck is turned off. This is normal.

Technology for Safe Transportation

It is the responsibility of the manufacturer, installer or owner to ensure the auxiliary axle is load equalized after calibration. Calibration depends on the load used during calibration. When properly calibrated the lift axle should be load equalized to the tandem axles within SPIF regulations.

The Proviso Plus can control the Steer Lock, a Max Load Indicator Light, and an external heater.

- **Steer Lock Control** - The lift axle's steering lock is engaged when the axle is lifted due to the reverse lift feature.
- **Max Load Light** - The Max Load light will turn on when the vehicle is carrying a preset weight. It will remain on for 5 minutes or until the truck is moving forward.
- **External Heater** - An external heater can be powered using the red bullet. It will engage the heater output when the temperature is below 5°C and will disengage once the temperature rises above 10°C.

Lift Axle Equalization

The Proviso Plus system, if calibrated correctly, will equalize the weight on the tandem axles to the weight on the lift axle within 500kg. Equalization is done using a proportional valve. Equalization depends on the schedule of SPIF the truck is classified for. The lift axle must carry:

- Schedule 21, the lift axle must carry 33% of the total weight on the tandem axles
- Schedule 23, the lift axle must carry 50% of the total weight on the tandem axles

It is the responsibility of the operator to ensure the truck is loaded correctly. The truck must be loaded correctly to meet all SPIF requirements. Many trucks need to be load toward the front to achieve proper load distribution.

NOTE: The adjustment of the proportional valve will void the calibration and the truck may need to be re-calibrated.

Contact Us

If you have any questions or comments, feel free to contact Wheel Monitor Inc. at

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