

Weighbridge Care and Maintenance

Weighbridge care and maintenance is a team effort. It involves co-operation between vehicle drivers, weighbridge owner, weighbridge operator and a weighbridge servicing company such as Sensortronic. Performing some basic maintenance checks regularly will ensure your weighbridge will continue to operate effectively.

Driver Responsibility 1:

APPROACH THE WEIGHBRIDGE SLOWLY

Using excessive speeds on the weighbridge will cause shock loading on the loadcells. Minimise entry and exit speeds to below **5kph** and maintain speeds



Driver Responsibility 2:

DO NOT HIT THE BRAKES

Sudden braking on the weighbridge will cause shock loading on the loadcells and travel restraints.



Owner Responsibility 1:

KEEP THE WEIGHBRIDGE CLEAN

The New Zealand Weights & Measures legislation requires your weighbridge to be clean at all times. A build up of material on and beneath the weighbridge deck, will trap water and more material.

This will reduce the life of your weighbridge and its components and affect the weighing performance.

Check the weighbridge's cleanliness every two months.



Owner Responsibility 2:

MAINTAIN THE TRAVEL RESTRAINTS

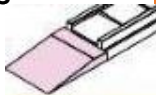
All weighbridges are installed with travel restraints to allow the weighbridge deck to roll back and forth, but not too much. The deck will expand and contract with heat and will need to be adjusted for the different seasons (Summer and Winter). Have too small a gap and the deck will expand and jam against the buffer. Have too big of a gap and the deck will rock excessively. Excessive movement will cause undue wear and tear on loadcells

We recommend a longitude gap of 5mm and a transverse gap of 2mm to be checked every two months.

Owner Responsibility 3:

MAINTAIN THE APPROACHES

Ensure the approaches to the deck are kept clear and clean and are replaced as required.



Owner Responsibility 5:

DISCONNECT POWER DURING STORMS

Disconnect power during an electrical storm (except when an Uninterrupted Power Supply is used) to reduce the risk of the electrical components of the weighbridge (the digital display and the loadcells) from suffering damage due to lightning strikes.



Owner Responsibility 4:

ENSURE REGULAR SERVICING

Loadcells and loadcell assemblies need to be inspected for damage and regreased periodically. The weighbridge calibration should also be checked regularly and adjusted by a licensed repairer if necessary.

Contact Sensortronic to ensure servicing is performed regularly and to a schedule.



Owner Responsibility 7:

DO NOT WELD ON THE WEIGHBRIDGE DECK

Welding involves the transfer a high currents and could easily destroy the delicate circuits of all electronic equipment.

Contact us if welding is essential



Owner Responsibility 6:

USE A GOOD QUALITY POWER SOURCE

A weighbridge is a precision instrument and, as such deserves to have a good quality, stable power source. We recommend using an Uninterrupted Power Supply

Certainly do not power the weighbridge using a generator or a 240VAC source that shares a line with starting motors and other current destabilising machinery.



If you notice any fault with your weighbridge, contact your service provider immediately. Delaying attention could compound the issue and turn a minor fault into a major repair.



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