

Wheel Loader Scale Questionnaire



Customer Name: _____ Date: _____

Company: _____

Address: _____

City _____ State/zip: _____ Country: _____

Email: _____ Phone: _____ Fax: _____

Must be completed prior to shipping equipment!

Manufacturer of Machine _____

Machine Model/SN _____

Maximum Hydraulic Pressure (psi) _____ (Weighing System)

Customer Acknowledges:

- Modifications to floorboard to allow cable passage may be required.
- Mounting of Angle sensors by a certified welder to the boom and chassis is required.
- Mounting indicator and remote switch box with self tapping screws in the vehicle cab with supplied hardware may not fit all installation requirements and custom bracketing may be required if there is no room with the cab. Custom brackets are not supplied by RLWS.
- RLWS recommends installation of angle sensors and Hydraulic pressure sensors by a qualified wheel loader service agent.
- The weighing system is hydraulic based. The hydraulic system must be free of any leaks or defects.
- The Pressure Sensor supplied with your kit uses a 1/4" BSPP threads. RLWS supplies a 1/4" NPT straight fitting and 1/4" BSPP T-Fitting adapters.
Installation may require additional hydraulic fitting or flange blocks for the pressure transducer, the supplied T-fitting hardware may not fit your application. In this case, two fittings, one for the piston and rod side of the cylinder. Modification of the hydraulic pressure tubing may also be required to adapt the pressure sensor.
- Wheel Loader system is to be installed on must be free of any play, hydraulic leaks or drift in the upper, boom, stick and bucket areas in order to keep the accuracy of the system.
- For Installation and Calibration:
 - Allow 2-6 hours for installation of hardware onto Wheeler Loader
 - Allow 1 – 4 hours for angle, empty and loaded calibration
 - Visibility of RPM gauge in cab, or qualified operator to identify changes in 10 decreasing RPM points during calibration
 - Use of aggregate material is preferred for identifying known load during calibration, on a level of surface or ground as possible.
 - Use of a nearby accurate truck scale for identifying empty weight of truck or wheel loader, loaded weight and fine tuning of calibration with a minimum of 6 bucket loads of material
 - Allow 1 – 2 hours for fine tuning calibration, if required
 - Use of clipboard, writing instrument and calculator recommended during calibration process
- Operation of Wheel Loader Scale
 - For accurate weighing, wheel loader operator is required to move the boom between the start and stop weighing points defined during calibration, about 10°, at a constant RPM level with the lift lever fully engaged or open.
 - Machines equipped with boom easy ride feature must be disengaged for weighing applications

Date: _____ Customer signature: _____