

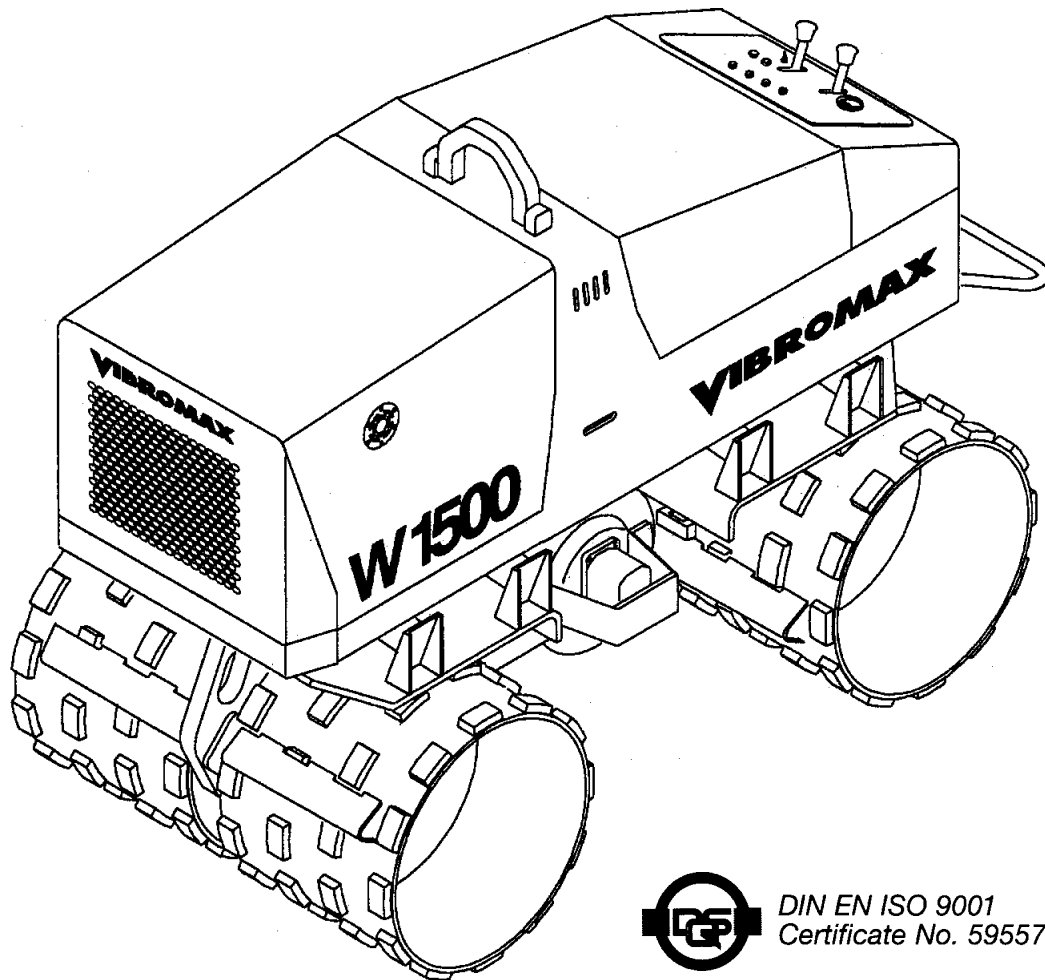
VIBROMAX

W1500 TRENCH ROLLER

SERVICE MANUAL SM35002

starting at S/N JKC4200800

October 2003



DIN EN ISO 9001
Certificate No. 59557-01

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

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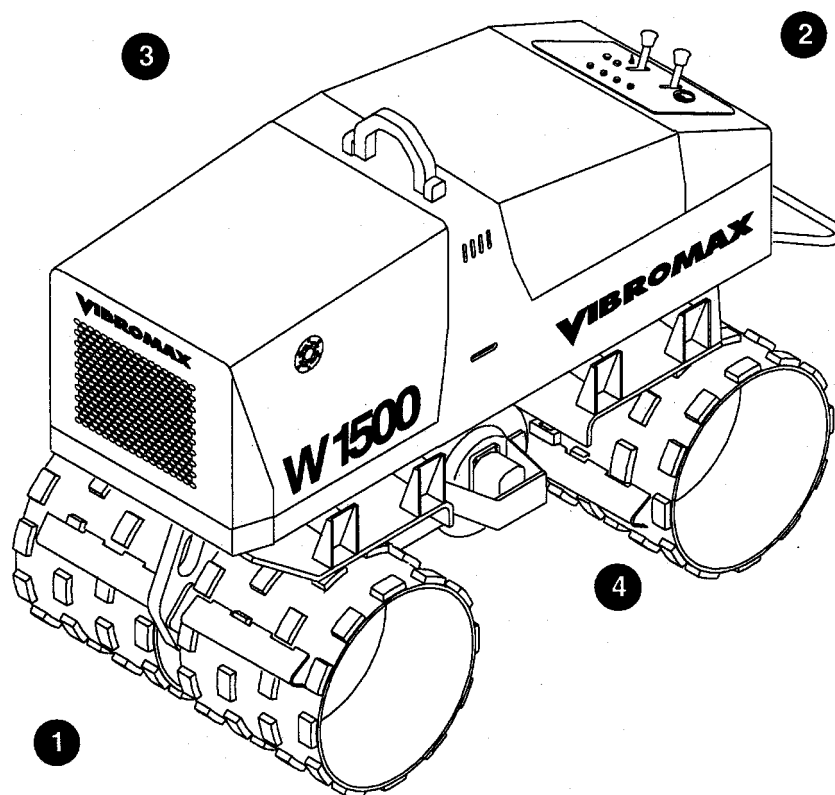
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SECTION ONE

GENERAL INFORMATION

MACHINE IDENTIFICATION



The terms "left", "right", "front", "rear" used in this manual refer to the sides of the machine as seen from the operator's position at the controls.

- 1) Front
- 2) Rear
- 3) Right
- 4) Left

MACHINE DESCRIPTION

The Vibromax Model W1500 Trench Roller is a 1.5 metric ton tandem drum roller with hydrostatic propulsion and a hydrostatic vibratory system. The machine is available with either a 24.8 inch (630 mm) or a 33.5 inch (850 mm) drum.

The machines can be ordered with manual or remote controls.

Power is provided by a 61 cubic inch (1000 cc) Kubota, three cylinder water cooled diesel engine, Model D1005/-BB-EC, rated at 22.5 hp (16.8 kW) at 3000 RPM.

The W1500 trench roller operates at a vibration frequency of 1860 vibrations per minute (31 Hz). The machine is designed with a single vibratory shaft mounted between the front and rear drum.

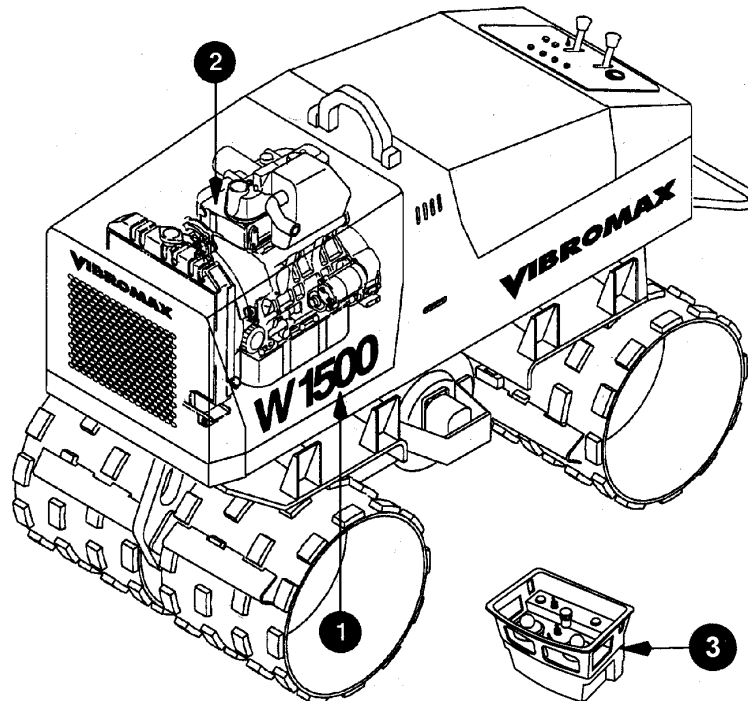
The hydrostatic drive system is designed for two ground speeds. The hydrostatic drive system consists of two gear pumps, left and right drum drive motors with hydraulic brakes, and the system control valves. The left side drums are independently operated from the right side. This feature allows the machine to be steered.

All models include pressure test ports for quick and easy diagnostics of the various hydraulic systems.

Remote controlled units are operated either manually or by using the radio controlled remote system. Remote controlled machines are equipped with an auxiliary battery for the remote controller and a battery charger to insure a fully charged battery is always available.

MACHINE SERIAL NUMBERS

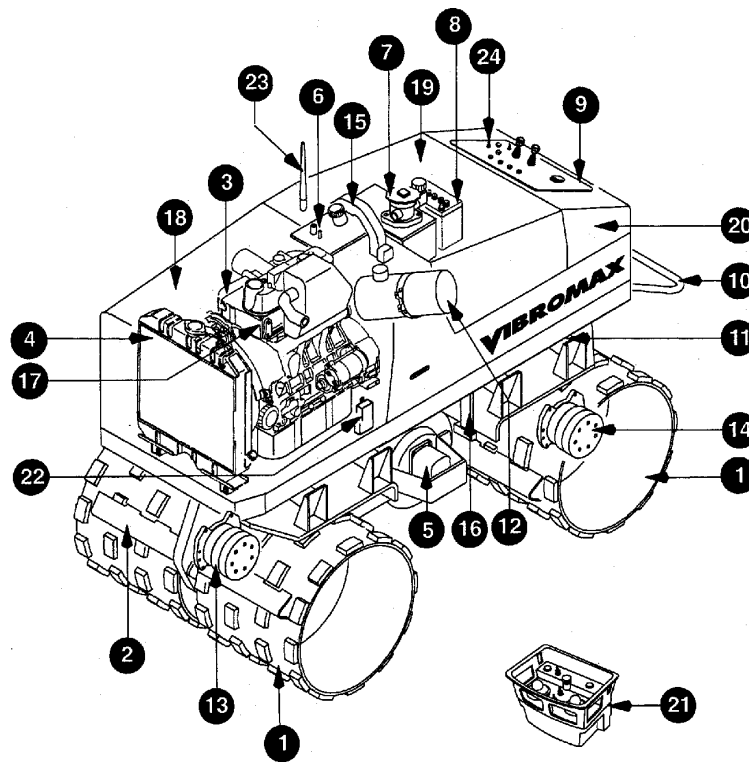
Enter the machine and components serial numbers on the following lines. When ordering spare parts or requesting information on the machine, have these numbers available for your dealer.



Make a copy of these numbers and keep them in a safe place. If the machine is stolen, these numbers should be made available to the investigating authorities.

- #1 Model and Serial Number
- #2 Engine ID. Numbers
- #3 Remote Control Serial Number
(numbers located on control under remote battery)

COMPONENT IDENTIFICATION



1	drum	13	drum motor
2	drum scraper	14	drum motor with brake
3	diesel engine	15	lifting point
4	radiator	16	safety strap
5	vibratory shaft	17	engine oil dipstick
6	fuel tank	18	engine hood
7	hydraulic oil tank	19	rear hood
8	battery	20	control panel cover
9	instrument panel	21	remote transmitter (option)
10	emergency stop bar	22	remote receiver (option)
11	platform buffers	23	antenna for receiver (option)
12	air filter	24	remote actuation switch (option)

SAFETY

The information in this manual does not replace any safety rules and laws used in your area. Before operating this machine, learn the rules and laws for your area and make sure your machine has the correct equipment according to these rules and regulations. Before starting the engine study the operator's manual.

- Know the location and function of all machine controls.
- Clear the area of other persons before you start the engine.
- Check all controls in a safe area before you operate the machine.
- Understand the limits of the machine.
- Do not try to do too much too fast.
- Keep the machine under control at all times.

SPARK ARRESTER

NOTE: *Rules or laws in some areas may require that this machine be equipped with a spark arrester or spark arrester muffler. Check the rules or laws in your area.*

PERSONAL



Loose clothing and jewelry can cause an accident. Do not wear loose clothing or jewelry that can catch on controls, etc. Do wear safety shoes, hard hat, heavy gloves, etc. when required for your protection.

Foreign materials and loose objects on the machine can cause accidents and injury. Keep the machine clear at all times.

Know and understand the arrangements for movement of trucks, machines, and persons on your job site. Understand and follow the instructions of flagmen, road signs, or signals.



Check machine controls for proper operation prior to starting the machine.

A fire can cause injury or death. Always have a fire extinguisher on the job site near the machine. Make sure the fire extinguisher is serviced according to the manufacturer's

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