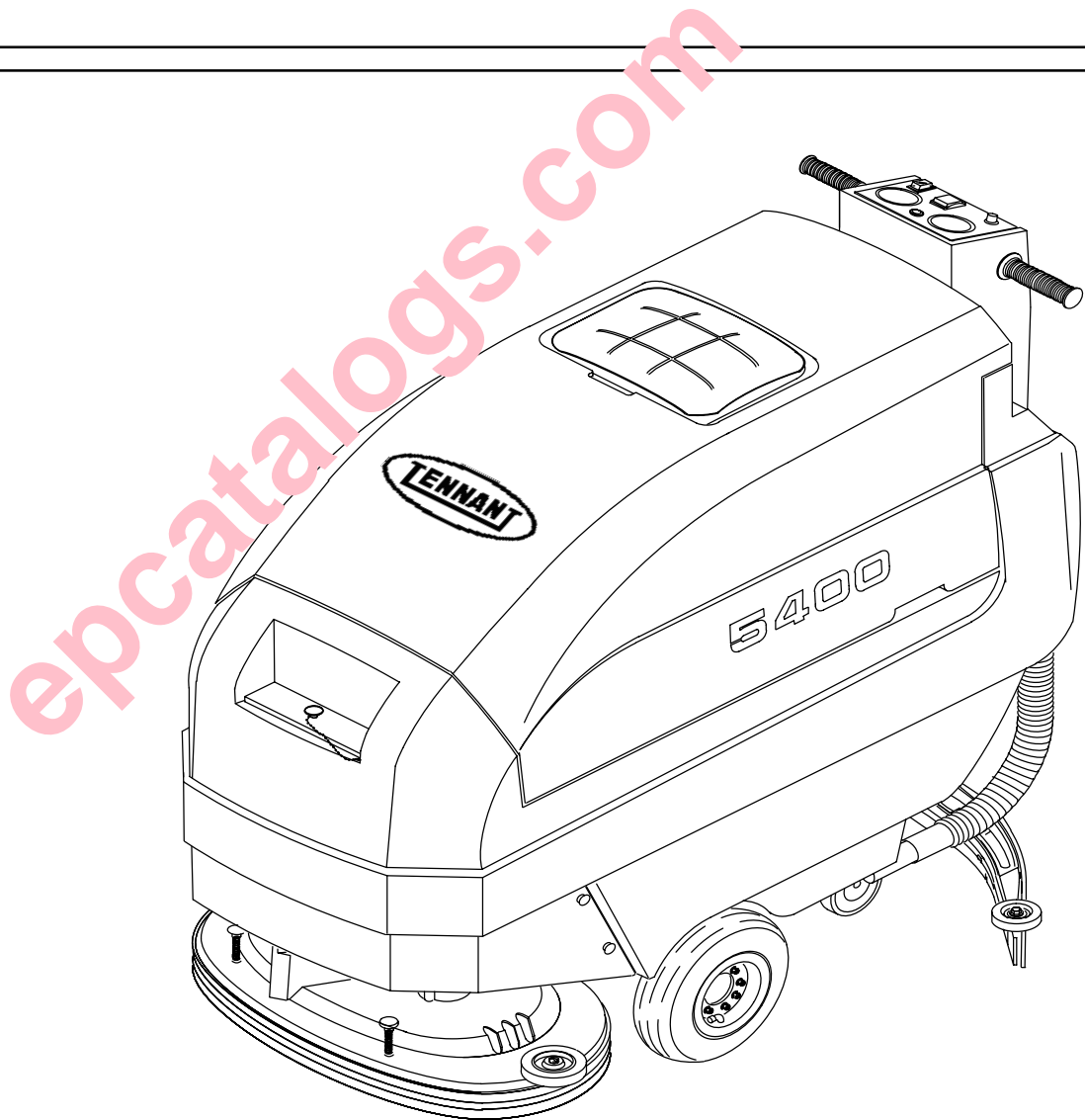




5400

Service Manual



330735
Rev. 00 (3-01)



This service manual is intended to be an aid for the disassembly and reassembly of your TENNANT Model 5400.

The set is organized into four major groups: General Information, Chassis, Scrubbing, and Electrical.

General Information: Machine safety, transport, jacking, lifting, and storage. Machine specifications, Maintenance charts and Hardware information.

Chassis: Tire/wheel replacement, Caster replacement, Transaxle and Transaxle drive motor replacement.

Scrubbing: Squeegee assembly replace and adjust, Scrubber head replace and adjust, Scrubber brush motor replacement, Vacuum fan replacement, Solution/recovery tank replacement, , Power wand pump replacement, and Scrubbing troubleshooting chart.

Electrical: Battery maintenance and replacement, Charging instructions, Circuit breaker/relay replacement, Instrument panel replacement, Vacuum motor brush replacement, Scrub brush brush replacement, Electrical schematic, and Electrical troubleshooting.

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SAFETY PRECAUTIONS

This machine is intended for industrial and commercial use. It is suited to scrub hard floors in an indoor environment and is not constructed for any other use. Use only recommended pads, brushes and cleaning detergents.

The following safety alert symbols are used throughout this manual as indicated in their description.

⚠ WARNING: To warn of hazards or unsafe practices which could result in severe personal injury or death.

FOR SAFETY: To identify actions which must be followed for safe operation of equipment.

The following information signals potentially dangerous conditions to the operator or equipment:

FOR SAFETY:

1.. Do not operate machine:

- Unless trained and authorized
- Unless operation manual is read and understood.
- In flammable or explosive areas unless designed for use in these areas.

2.. Before starting machine:

- Make sure all safety devices are in place and operate properly.

3.. When using machine:

- Go slow on inclines and slippery surfaces.
- Be careful when reversing machine.
- Do not carry riders on machine.
- Always follow safety and traffic rules.
- Report machine damage or faulty operation immediately.

4.. Before leaving or servicing machine:

- Stop on level surface.
- Turn off machine.
- Set parking brake, if equipped.

5.. When servicing machine:

- Avoid moving parts. Do not wear loose jackets, shirts, or sleeves.
- Block machine tires before jacking machine up.
- Jack machine up at designated locations only. Block machine up with jack stands.
- Use hoist or jack of adequate capacity to lift machine.
- Wear eye and ear protection when using pressurized air or water.
- Disconnect battery connections before working on machine.
- Wear protective gloves when handling batteries or battery cables.
- Avoid contact with battery acid.
- Use manufacturer supplied or approved replacement parts.

⚠ WARNING: Batteries emit hydrogen gas. Explosion or fire can result. Keep sparks and open flame away. Keep covers open when charging.

⚠ WARNING: Flammable materials can cause an explosion or fire. Do not use flammable materials in tank(s).

⚠ WARNING: Flammable materials or reactive metals can cause explosion or fire. Do not pick up.

⚠ WARNING: Moving parts. Turn off power before working on machine.

⚠ WARNING: Actuator pinch point. Stay clear of head lift area.

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