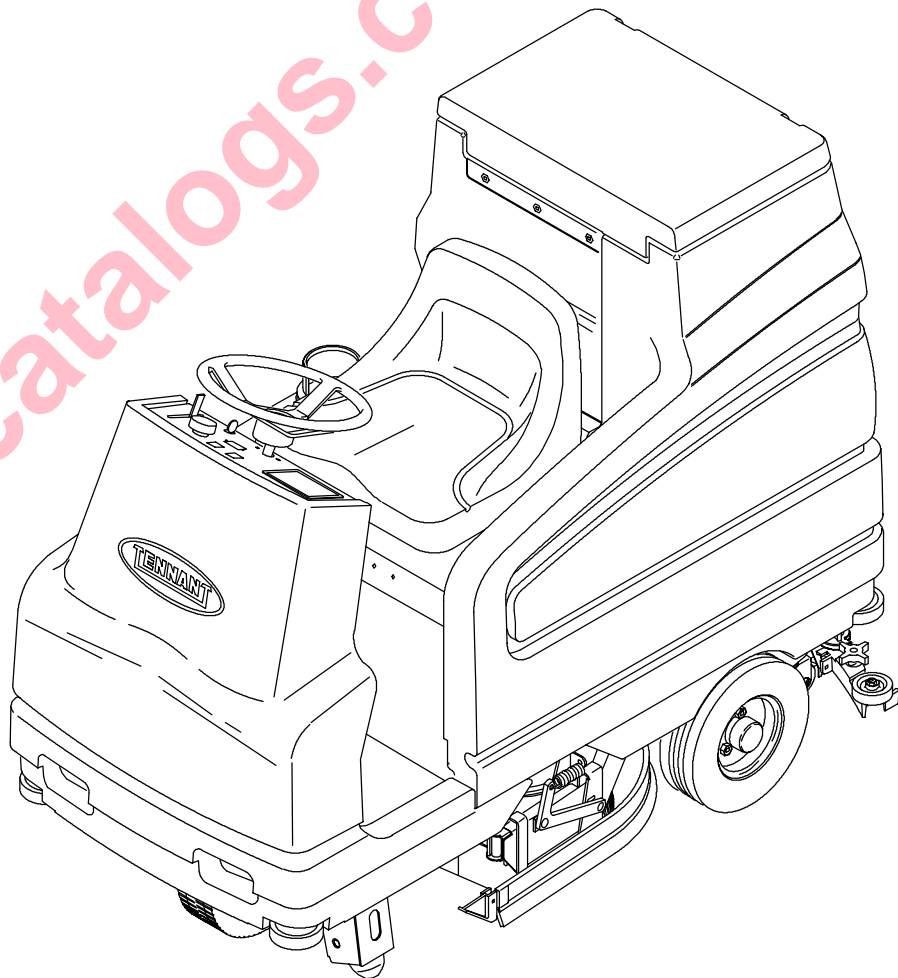




7100

Service Manual



330695
Rev. 01 (7-01)



This service manual is intended to be an aid for the disassembly and reassembly of your TENNANT Model 7100.

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

General Information: Safety precautions, machine transport, machine jacking, machine storage, chassis lubrication, machine specifications, and machine maintenance chart.

Chassis: Tire/wheel replacement, brake adjustment and replacement, steering adjustment and replacement, and machine cab information.

Scrubbing: Scrub head repair/replacement, brush repair/replacement, skirt/seal repair/replacement, squeegee repair/replacement, solution and recovery tank repair/replacement, and scrubbing troubleshooting.

Electrical: Battery maintenance and replacement, electrical schematics, and electrical troubleshooting.

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Manual Number - 330695

Revision: 01

Published: 7-01

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CONTENTS

	Page
SAFETY PRECAUTIONS	1-3
SPECIFICATIONS	1-5
GENERAL MACHINE	
DIMENSIONS/CAPACITIES	1-5
GENERAL MACHINE PERFORMANCE ..	1-5
POWER TYPE	1-6
TIRES	1-6
MACHINE DIMENSIONS	1-7
MAINTENANCE	1-8
MAINTENANCE CHART	1-9
PUSHING, TOWING, AND TRANSPORTING	
THE MACHINE	1-10
PUSHING OR TOWING THE	
MACHINE	1-10
TRANSPORTING THE MACHINE ..	1-10
MACHINE JACKING	1-12
STORAGE INFORMATION	1-13
FREEZE PROTECTION	1-13
HARDWARE INFORMATION	1-14
STANDARD BOLT TORQUE CHART ..	1-14
METRIC BOLT TORQUE CHART ...	1-14
BOLT IDENTIFICATION	1-14
THREAD SEALANT AND LOCKING	
COMPOUNDS	1-14

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SAFETY PRECAUTIONS

The following symbols are used throughout this manual as indicated in their description:



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

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

This machine is designed solely for scrubbing dirt and dust in an indoor environment. Tennant does not recommend using this machine in any other environment.

The following information signals potentially dangerous conditions to the operator or equipment. Read this manual carefully. Know when these conditions can exist. Locate all safety devices on the machine. Then, take necessary steps to train machine operating personnel. Report machine damage or faulty operation immediately. Do not use the machine if it is not in proper operating condition.

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 those areas.
2. Before starting machine:
 - Make sure all safety devices are in place and operate properly.
 - Check brakes and steering for proper operation (if so equipped).
3. When using machine:
 - Go slow on inclines and slippery surfaces.
 - Use care when backing machine.
 - Follow mixing and handling instructions on chemical containers.
4. Before leaving or servicing machine:
 - Stop on level surface.
 - Set parking brake (if equipped).
 - Turn off machine and remove key.

5. When servicing machine:

- Avoid moving parts. Do not wear loose jackets, shirts, or sleeves when working on machine.
- Block machine tires before jacking machine up.
- Jack machine up at designated locations only. Block machine up with jack stands.
- Use hoist or jack that will support the weight of the machine.
- Wear eye and ear protection when using pressurized air or water.
- Disconnect battery connections before working on machine.
- Avoid contact with battery acid. Use Tennant supplied or equivalent replacement parts.

6. When loading/unloading machine onto/off truck or trailer:

- Turn off machine.
- Use truck or trailer that will support the weight of the machine.
- Use winch. Do not drive the machine onto/off the truck or trailer unless the load height is 380 mm (15 in) or less from the ground.
- Set parking brake after machine is loaded.
- Block machine tires.
- Tie machine down to truck or trailer.



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.

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