



Electronic Service Manuals

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Serving the Cleaning Industry Since 1922

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GULPER 360

SOLUTION RETRIEVER

INTRODUCTION

OPERATING & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

This operator's book has important information for the use and safe operation of this machine. **Read and understand this manual before starting the machine.** Keep this book and tell all operators to read the book. **If you do not follow the instructions, you can cause an injury or damage equipment, furniture or buildings.**

For new books write to:

Pacific
2259 S. Sheridan
Muskegon, MI 49442-6252

Carefully inspect all components to ensure that there is no concealed freight damage. If such damage is discovered, file a "CONCEALED DAMAGE REPORT" immediately with the delivering carrier.

The contents of this manual are based on the latest product information available at the time of publication. Pacific reserves the right to make changes or improvements to its machines without notice.

**FOR YOUR CONVENIENCE, RECORD THE MACHINE
MODEL AND SERIAL NUMBER HERE:**

MACHINE MODEL _____

MACHINE SERIAL NUMBER _____

IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS MACHINE!

WARNINGS:

- 1. USE ONLY AS DESCRIBED IN THIS MANUAL.**
- 2. NEVER TURN THE UNIT ON ITS SIDE.**
- 3. KEEP HANDS AND FEET CLEAR OF ALL MOVING PARTS.**
- 4. ALWAYS STORE EQUIPMENT AWAY FROM POSSIBLE DAMAGE BY FALLING OBJECTS IN WAREHOUSE-TYPE AREAS.**
- 5. THE OPERATOR MUST COMPLETELY UNDERSTAND ALL INSTRUCTIONS, WARNINGS AND OPERATING PROCEDURES BEFORE USING THIS MACHINE.**
- 6. THIS MACHINE MUST BE MAINTAINED IN ACCORDANCE WITH THIS MANUALS RECOMMENDED MAINTENANCE INSTRUCTIONS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE MACHINE, EQUIPMENT, FURNITURE, BUILDINGS OR PERSONAL INJURY!**
- 7. WEAR PROTECTIVE EYE WEAR AND AVOID SKIN CONTACT WITH ALL CHEMICALS USED IN THIS TANK.**
- 8. DRAIN ALL LIQUID FROM THE UNIT IF IT IS TO BE STORED OR TRANSPORTED IN FREEZING CONDITIONS.**

PREPARATION & OPERATION

WARNING! Follow the instructions given in this booklet and the training given by your supervisor for the safe operation of this machine. Failure to do so can result in personal injury and/or damage to the machine or property.

RECEIVING THE EQUIPMENT

Inspect equipment immediately and report any damage or missing parts:

- Chassis – pump plate, squeegee and wheel condition.

APPLICATIONS

Recommended surfaces:

- Vinyl and ceramic tile
- Sealed or finished concrete floors
- Wood, stone and terrazzo

TRANSPORT OF EQUIPMENT TO SITES

• **Transport Position:** The machine should be transported with the front swivel caster on the ground and the chassis should be in the “up” or transport position. Step on the foot pedal located on the right side of the foot bar to place chassis in transport position.

- Do not drag squeegee across parking lots or thresholds.
- Never lift tank by gripping the lid retainer ring.

OPERATION

1. Operating Position: Press down on the footbar and lift on handle until chassis is locked down into the operating position. Do not press the foot pedal located on the right side of the foot bar.

2. Squeegee: Push the machine a few feet forward until squeegee is laid out. A side to side motion will help lay out squeegee for pick-up.

3. Solution Retrieval: A normal walking speed assures nominal performance. The faster you go, the better the machine works. If the pump stops working, refer to TROUBLESHOOTING. When foam escapes through breather hole in lid, the tank is full and must be emptied. See CLEANING UP.

Note: If the floor is not being wiped dry, the squeegee may need adjustment. See TROUBLESHOOTING.

4. Transport Upon Completion: Return the chassis to the “transport” or “up” position. Any liquid residue can be easily mopped up.

5. Clean Equipment:

a) Drain the tank - locate discharge valve at the front of tank. Position for proper draining. Lift “T” handle to regulate solution discharge. Tip machine forward for complete drainage. Take care not to damage squeegee when draining.

DANGER! Solution will discharge in a large steady stream with some pressure. Wear protective eye wear and avoid skin contact with all chemicals used in this tank.

b) Rinse tank with warm water.

c) Remove return bellow from the top of the pump to drain solution that is past the pump. Locate hose clamp on top of pump and loosen, then slide tube off.

d) Tilt machine back to expose undercarriage for cleaning. To tilt - rest unit on its’ foot bar and handle.

e) Rinse wheels, chassis and squeegee.

f) Drain pump by gently pressing on the inlet flapper valve located in the center of the pump plate.

g) Flushing Pump: Hold a hose next to the inlet flap-valve while simultaneously activating the pump by turning a drive wheel. Be sure to drain excess solution from pump.

h) Reinstall return tube and tighten hose clamp.

6. Storage: It is very important to **drain all liquid** from the unit if it is to be stored or transported in freezing conditions.

MAINTENANCE

TROUBLESHOOTING

Problem: NOT LEAVING FLOOR DRY
Solution:

- Remove debris collected between the floor and squeegee. Wipe squeegee of any debris.
- Adjust squeegee up or down to obtain optimum performance. See SQUEEGEE ADJUSTMENT.
- Check for nicks and/or tears in the squeegee. Replace if necessary.

Problem: NOT PICKING UP LIQUID
Solution:

- Try to reprime pump by crushing the return bellow (item 28 in parts list) with your hand and pushing the machine forward quickly.
- Check inlet and outer flapper valves for debris. Remove the return tube bellow to check outer flapper. If no debris is found, the pump is worn or has not been cleaned properly. See PUMP SERVICE.

Problem: LEAKS.
Solution: See REPAIRING LEAKS section.

SQUEEGEE ADJUSTMENT

• **Adjusting Squeegee** - The three bolts which attach the squeegee will also adjust the squeegee height. Turn the bolts clockwise to raise the squeegee or counter-clockwise to lower the squeegee. A 1/2 turn should be enough. Be sure jam nuts are snug. Check performance and adjust accordingly. See FIGURE 1.

PUMP SERVICE

• **Cleaning Pump** - Remove pump. Wash in warm water. Make sure all debris is cleared from inner and outer flapper valves. Check for worn parts and replace if necessary.

• **Adjusting Pump Plate** - Loosen the four nuts holding pump and adjust so black plate is 1/8" from the floor. See FIGURE 2. Check for wear on foot pedal.

• **Rebuilding Pump** - Remove pump. Replace inlet, outlet and then diaphragm components of the pump. Only tighten screws until tan hinge gasket starts to squeeze out. Check pump for suction before reinstalling.

REPAIRING LEAKS

Isolate leak.

• **Fitting Leak** - Remove fitting, clean and smooth the surface and/or gasket. Apply silicon and re-install.

• **Body Leak** - Contact Pacific.

MAINTENANCE

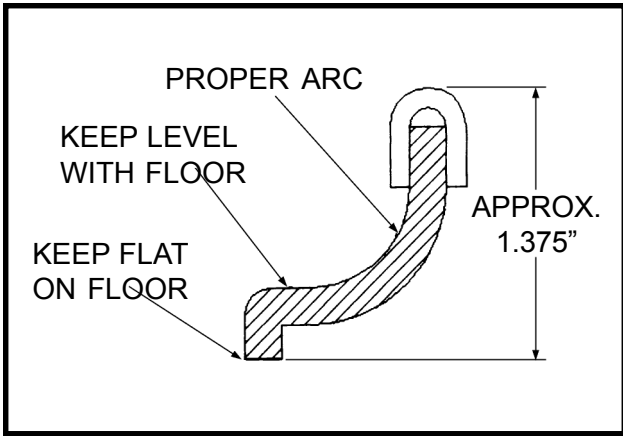


FIGURE 1
CORRECT SQUEEGEE PROFILE

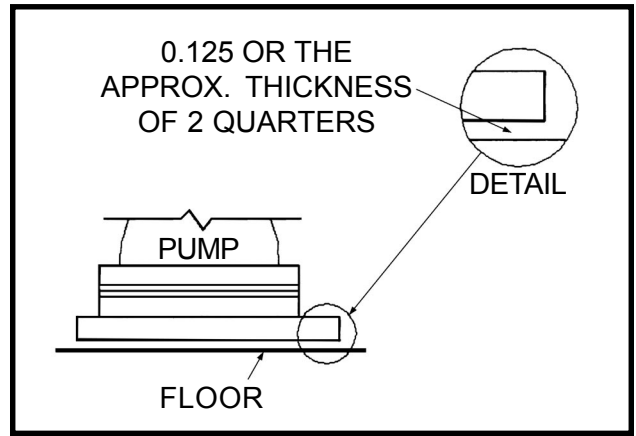
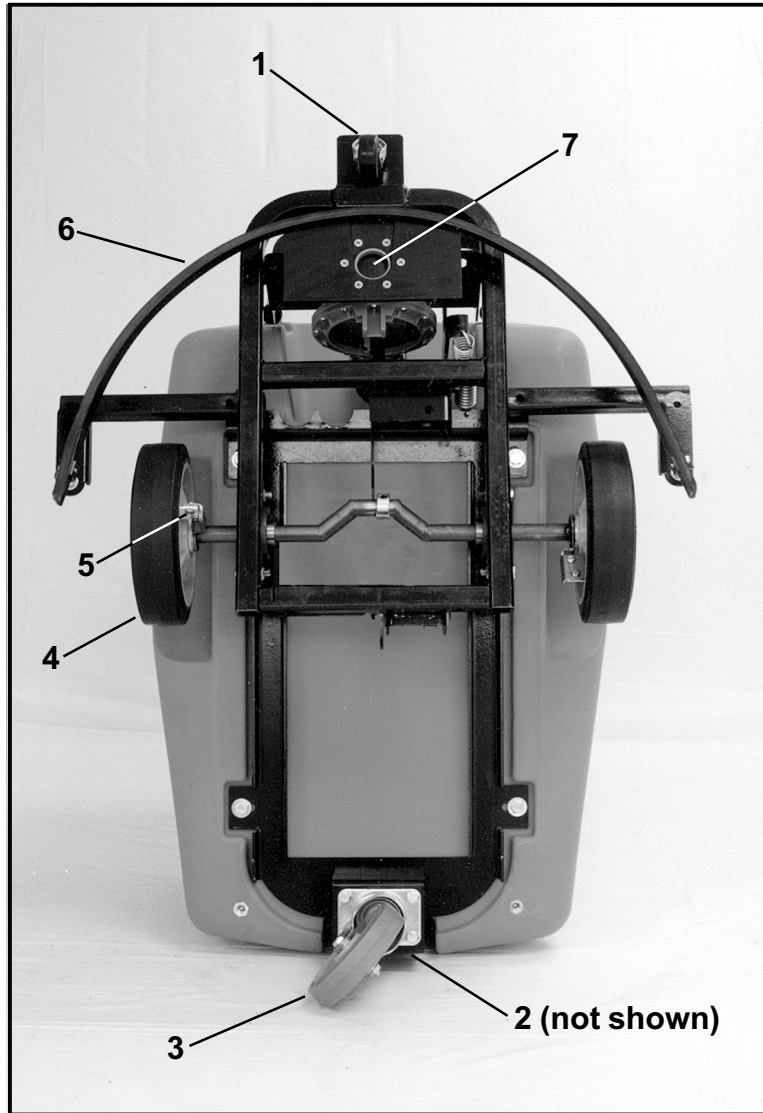


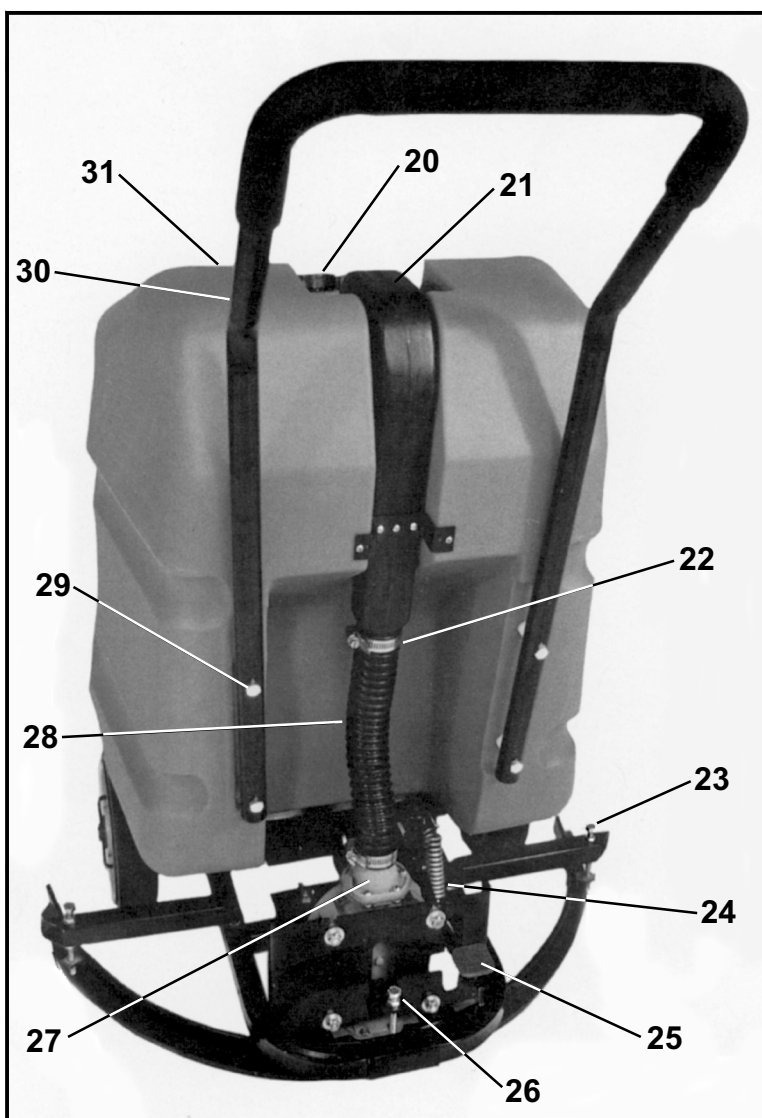
FIGURE 2
PUMP PLATE CLEARANCE TO FLOOR

BOTTOM VIEW



ITEM	PART NUMBER	DESCRIPTION	QTY
1	279704	Caster, 2"	1
2	279401	Gate Valve, 1-1/2"	1
3	279702	Caster, 4"	1
4	279703	Wheel, 8"	2
5	279201	Wheel Driver Tab	2
6	278502	Squeegee Assembly	1
7	276601	Pump Plate	1

REAR VIEW



ITEM	PART NUMBER	DESCRIPTION	QTY
20	275107	Lid, 8"	1
21	279002	Return Tube	1
22	272001	Hose Clamp, 1-1/2"	3
23	271301	Adjusting Bolt	2
24	278303	Chassis Spring	1
25	277001	Foot Pedal	1
26	271302	Center Adjusting Bolt	1
27	277002	Pump Assembly	1
27A	275001	Pump Service Kit, includes: diaphragm, gaskets & flappers	
28	271303	Bellow, 10"	1
29	920012	5/16-18 Esna Nut	4
30	273901	Handle	1
31	278602	Tank, Grey	1

WARRANTY POLICY GULPER 360

The **Pacific** Gulper 360 has been manufactured, tested and inspected in accordance with specific engineering requirements and is **WARRANTED** to be free from defects in workmanship and materials as follows:

One (1) year parts and labor - All components unless excluded below.

This warranty extends to the original user/purchaser and only when used, operated and maintained in accordance with **Pacific** Operating and Maintenance instructions.

This warranty does not apply to the following wear parts and accessories of the machine including:

Part Number	Part Name
278502	Squeegee Assembly
279703	Wheel
279702	Caster, 4"
279704	Caster, 2"

Nor does it apply to damage or failure caused by improper use, abuse or neglect. Warranty credit or replacement of return parts including motors, etc., is subject to incoming inspection of those items.

To secure repair under this warranty, the following procedure should be taken:

- The inoperative machine or warranted parts must be delivered to the authorized dealer with shipping and delivery charges prepaid. If unable to locate the Dealer, you may contact **Pacific** at the address listed herein for the location of the nearest **Pacific** repair center or agent or for other instructions pertaining to your warranty difficulty.
- Upon compliance with the above warranty procedure, all warranted repairs would be completed at no additional charge or cost to the user.
- Only **Pacific** or its authorized dealers and agents may make no charge warranty repairs on this product. All others do so at their own risk.

This warranty limits **Pacific** liability to the repair of the product and/or warranted parts replacement and does not include incidental or consequential damages arising from the use of a **Pacific** machine whether defective or not.

This warranty is in lieu of all other expressed or implied warranties and is extended to the original purchaser/user.



PACIFIC

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