OWNER'S MANUAL





This manual contains important warnings and information. READ AND RETAIN FOR REFERENCE

CE

Pressure Washers

Model 824101, Series A

2030 Pressure Washer on upright cart with hose and gun 2400 psi (165 bar, 16.5 MPa) Maximum Working Pressure

Model 824102, Series A

2835 Pressure Washer on upright cart with hose and gun 3200 psi (221 bar, 22.1 MPa) Maximum Working Pressure

Model 824103, Series A

3040 Pressure Washer on upright cart with hose and gun 3400 psi (234 bar, 23.4 MPa) Maximum Working Pressure

Model 824104 Series A

3340 Pressure Washer on upright cart with hose and gun *3700 psi (255 bar, 25.5 MPa) Maximum Working Pressure*

U.S. PATENT NO. PATENTED 1983, CANADA AND OTHER PATENTS PENDING

Related Manual

Hydra-Clean® Gun 308511

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Sherwin-Williams Warranty 20 Phone Number 20

The SHERWIN–WILLIAMS COMPANY, CLEVELAND, OHIO 44115

824111

8777B

Model 824102



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Warning Symbol

WARNING

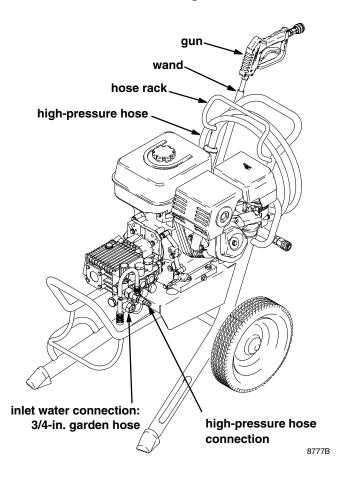
This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

Caution Symbol

This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.

<u>.</u>	INJECTION HAZARD Spray from the gun, leaks, or ruptured components can inject fluid into your body and cause serious injury. Fluid splashed in the eyes or on the skin can also cause serious injury.
	• Fluid injected into the skin might look like just a cut, but it is a serious injury. Get emergency medical attention.
	 Do not point gun at anyone or at any part of body, and do not stop or deflect leaks with hand, body, glove, or rag.
	 Do not put hand or fingers over spray tip.
	 Tighten fluid connections before you start this equipment.
	 Engage the gun trigger safety latch whenever you stop spraying.
	• Follow Pressure Relief Procedure on page 3 if spray tip clogs and before you clean, check, or service this equipment.
	Repair or replace worn or damaged parts immediately.
	 Check hoses, tubes, and couplings daily. Do not repair high-pressure couplings. Replace entire hose. Fluid hoses must have spring guards on both ends to prevent kinks and rupture.
	 HAZARDOUS FLUIDS Improper handling of hazardous fluids can cause serious injury or death due to splashing in eyes, ingestion, or bodily contamination. Know specific hazards of fluid being used. Store hazardous fluids in approved containers. Dispose of hazardous fluids per local, state, and national guidelines. Wear protective eye wear, gloves, clothing, and respirator as recommended by the fluid manufacturer.
Jacky y	FUEL HAZARD The fuel used in this pressure washer is combustible and when spilled on a hot surface can ignite and cause a fire. Do not fill the fuel tank while the engine is running or hot.
	EXHAUST HAZARD The exhaust contains poisonous carbon monoxide which is colorless and odorless. Do not operate this equipment in a closed building.
	EQUIPMENT MISUSE HAZARD Misuse of the pressure washer or accessories could cause them to rupture and result in fluid injection, splashing in the eyes or on the skin, or other serious injury.
	 Do not alter or modify any part or factory-set adjustment of this equipment.
	• Do not exceed the maximum working pressure of any component or accessory in the system.
	• Do not use any chemicals that are incompatible with the wetted parts as stated in Technical Data on page 19.
	Do not alter throttle setting.

Setup



Check for Shipping Damage

Check the pressure washer for shipping damage. **Notify the carrier immediately** if there is any damage.

Connect High-Pressure Hose and Gun

Connect the high-pressure hose to the high-pressure hose connection and the gun. Both of these connections are made with quick couplers.

Up to 100 ft (30 m) of high-pressure hose may be used. Longer hoses could affect sprayer performance and chemical injector performance.

Install Spray Tip

Install the appropriate spray tip on the wand. See **Installing and Changing Spray T ips** on page 5. If you are using a Sandblaster Kit, see its separate manual for installation instructions.

Connect to Water Supply

Before you connect the garden hose to the pressure washer, check your local plumbing code regarding cross-connection to the water supply. If required, install a backflow preventer.

If the inlet water pressure is over 60 psi (4.1 bar), a regulating water valve must be installed at the garden hose connection.

Do not exceed 160°F (70°C) inlet water temperature.

Connect a hose with at least a 3/4-in. (19 mm) ID from the water supply to the 3/4-in. garden hose inlet. The supply hose should not be more than 50 ft (15 m) long.

NOTE: The water supply *must* have a minimum flow rate equal to that of the pressure washer. See **Technical Data** on page 19.

Pressure Relief Procedure

WARNING



INJECTION HAZARD The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. Fluid

under high pressure can be injected through the skin and cause serious injury. To reduce the risk of an injury from injection, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you

- Are instructed to relieve the pressure
- Stop spraying for more than 10 minutes
- Check or service any of the system equipment
- Install or clean the spray nozzle
- 1. Engage the gun trigger safety latch.
- 2. Turn the sprayer off, and remove the ignition cable from the spark plug.
- 3. Shut off the water supply.
- 4. Disengage the trigger safety latch, and trigger the gun to relieve pressure. Then engage the trigger safety latch.

If you suspect that the spray tip or hose is clogged or that pressure has not been fully relieved after following the steps above: Disengage the trigger safety latch, and trigger the gun to relieve pressure. Wrap a rag around the hose end coupling, and VERY SLOWLY loosen the coupling to relieve pressure gradually. Then loosen it completely. Then clear the tip or hose.

Operation

Startup

Always use this start-up procedure to ensure that the pressure washer is started safely and properly.

- Always engage the gun trigger safety latch when you stop spraying even for a moment. This reduces the risk of fluid injection or splashing in the eyes or on the skin if the gun is bumped or triggered accidentally.
- Always observe the CAUTIONS in this section to avoid costly damage to the pressure washer.
- If you use the Sandblaster Kit, see the Sandblaster Kit manual for detailed cleaning information.
- 1. Check the oil level.

NOTE: All pressure washers are equipped with a low-oil sensor that shuts the engine off if the oil level falls below a certain level. If the engine stops unexpectedly, check both the oil and the fuel levels. Check the oil level each time you refuel.

2. Check the fuel level.



FIRE HAZARD

Do not refuel a hot engine. Refueling a hot engine could cause a fire. Use only fresh, clean regular or unleaded gasoline. Close the fuel shutoff valve during refueling.

3. Turn on the water supply.

Never run the pressure washer without water. Costly damage to the pump will result. Always be sure the water supply is completely turned on before you run the pressure washer.

Trigger the gun until water sprays from the tip, 4. indicating that the air is purged from the system. 5. Open the fuel shutoff valve. Be sure the spark plug ignition cable is pushed firmly onto the spark plug. Put the switch in the START position, and put the throttle in the RUN position.

CAUTION

Do not allow the pressure washer to idle for more than 10 minutes. Doing so could cause the recirculating water to overheat and seriously damage the pump. Turn off the pressure washer if it will not be spraying at least every 10 minutes. If heated inlet water is used, reduce this time more. Do not operate the pressure washer with the inlet water screen removed. The screen helps keep abrasive sediment out of the pump, which could clog the pump or damage the cylinders. Keep the screen clean. Do not pump caustic materials; such materials could corrode the pump components.

6. Pull the starter rope to start the engine. Brace one foot on the pressure washer chassis, and pull the starter rope out quickly. Pull and return the rope until the engine starts.

Do not allow the starter rope to snap back against the engine. Let the rope recoil gently to prevent damage to the recoil.

NOTE: For easier starting, have one person start the pressure washer while another person triggers the gun.

If the engine is cold, start the engine with the choke completely closed. In cool weather, you might have to let the engine run with the choke closed for the first 10 to 30 seconds. In warm weather, open the choke completely as soon as the engine starts.

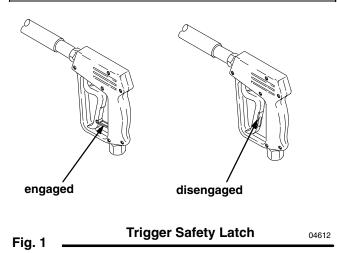
If the engine is warm, start the engine with the choke completely open or partially closed. When the engine starts, open the choke completely.

Operation

Trigger Safety Latch

WARNING

To reduce the risk of serious bodily injury, including fluid injection and splashing in the eyes or on the skin, always engage the trigger safety latch when you stop spraying even for a moment. When engaged, the trigger safety latch prevents the gun from being triggered accidentally by hand or if it is dropped or bumped. Be sure the latch is pushed fully down, or it will not prevent the gun from being triggered. See Fig. 1.



Chemical Injector Operation



Relieve the pressure. See page 3.

- 2. Insert the chemical filter (attached with clear tubing to the chemical injector) into the container of chemical.
- 3. Install the black large-orifice chemical tip. See **Installing and Changing Spray T ips** at right.

This causes a drop in pressure that actuates the chemical injector. Changing back to a small diameter spray tip deactivates the chemical injector and produces high pressure for rinsing. The chemical filter can be left in the chemical container during high pressure use. To regulate the flow rate of the chemical, turn the chemical adjustment knob on the injector. Maximum chemical flow is a full two turns counterclockwise from the CLOSED (clockwise) position.

Installing and Changing Spray Tips

Spray tips have 4- or 5-digit numbers on them. The first two digits are the spray angle. Select the spray tip appropriate for your application. Tip holding holes are provided on the chassis.

Spray Tip Number	Spray Pattern Fan Angle
00XXX	0° blaster (red)
15XXX	15 $^{\circ}$ (yellow)
25XXX	25° (green)
40XXX	40° (white)

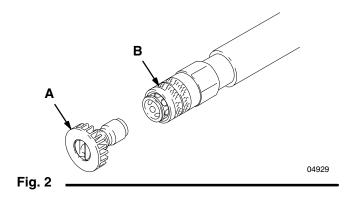
NOTE: The chemical injector tip is brass and has a large opening and a black plastic cap.



Relieve the pressure. See page 3.

- 2. Point the gun and wand away from yourself and anyone else.
- 3. Without holding your hand over the spray tip (A), pull back the quick coupler ring (B). Remove the current tip and/or install a different one, and then push back the ring. See Fig. 2.
- 4. Pull on the tip to be sure it is secure before you spray again.

To avoid blowing the O-ring out of the quick coupler due to the high pressure in the system, never operate the pressure washer without a tip securely mounted in the quick coupler.



Operation

Shutdown, Flushing, and Storage

NOTE: Antifreeze Flush Kit 802327 is available to make flushing easier.

If water does freeze in the pressure washer, thaw it in a warm room before you try to start it. Do not pour hot water on or into the pump; it could crack the ceramic plungers.

- If the pressure washer will be exposed to freezing temperatures, drain all water out of the pump. If it must be stored in freezing temperatures, flush the pressure washer with a 50% antifreeze solution, and relieve the pressure. Flush the pressure washer before you use it again to remove the antifreeze.
- Before you store the pressure washer overnight or transport it, disconnect the water supply, and turn off the fuel supply valve.
- After each use, wipe all surfaces of the pressure washer with a clean, damp cloth.
- Perform the appropriate maintenance. See **Maintenance Chart** at right.

Maintenance

Observing regular maintenance intervals helps ensure that you get maximum performance and life from the pressure washer.

There is a break-in period for the engine and pump. After you change the oil in these components following their respective break-in periods, the interval between required changes is longer.

If the pressure washer is operated in dusty conditions, these maintenance checks should be made more often.



Relieve the pressure (see page 3) before you proceed with maintenance.

Maintenance Chart

Interval	What to do
Daily	Clean water inlet screen and filter. Check engine and pump oil levels. Fill as necessary. Check gasoline level. Fill as necessary.
After first 5 hours of operation	Change engine break-in oil. Drain oil when warm. Use SAE 30 or 10W–30 detergent oil.
After first 25 hours of operation	Re-torque exhaust manifold nuts to 20 ft-lb (27 N•m). Do not over tighten.
After every 25 hours of operation	Clean and remove air cleaner foam. Wash with water and detergent. Dry thoroughly. Rub with oil and squeeze to distribute oil.
After first 50 hours of operation	Change pump break-in oil. Use SAE 20 or 30 non-detergent oil.
After every 100 hours of operation, or every 3 months	Clean or replace paper air cleaner cartridge. Tap gently to remove dirt. Change engine oil. Use SAE 30 or 10W–30 detergent oil.
	Re-torque exhaust manifold nuts to 20 ft-lb (27 N•m). Do not over tighten.
After every 500 hours of operation, or every 6 months	Change pump oil. Use SAE 20 or 30 non-detergent oil.

Notes					

Troubleshooting



Relieve the pressure (see page 3) before you proceed with troubleshooting.

Problem	Cause	Solution
Engine will not start or is hard to start.	No gasoline in fuel tank or carburetor	Fill the tank with gasoline, open fuel shut off valve. Check fuel line and carburetor.
	Low oil	Add to proper oil level.
	Start/Stop switch in STOP position	Move switch to START position.
	Water in gasoline or old fuel	Drain fuel tank and carburetor. Use new fuel and dry spark plug.
	Engine flooded or improperly choked	Open choke, and pull engine several times to clear out gas. Use a dry spark plug.
	Dirty air cleaner filter	Remove and clean.
	Spark plug dirty, wrong gap, or wrong plug type	Clean, adjust the gap, or replace.
	Gun not triggered	Trigger gun while starting engine.
Engine misses or	Partially plugged air cleaner filter	Remove and clean.
lacks power.	Spark plug dirty, wrong gap, or wrong plug type	Clean, adjust the spark plug gap or replace.
Low pressure and/or	Worn or wrong size tip	Replace with tip of proper size.
pump runs rough.	Inlet filter clogged	Clean. Check more frequently.
	Worn packings, abrasives in water, or natural wear	Check filter. Replace packings. See Pump Service on pages 10 and 12.
	Inadequate water supply	Check water flow rate to pump.
	Fouled or dirty inlet or discharge valves	Clean inlet and discharge valve assemblies. Check filter.
	Restricted inlet	Garden hose might be collapsed or kinked.
	Worn inlet or discharge valves	Replace worn valves. See Pump Service on pages 10 and 12.
	Leaking high-pressure hose	Replace high-pressure hose.
Water leaks from under pump manifold.	Worn packings	Install new packings. See Pump Service on pages 10 and 12.
Water on oil side of	Humid air condensing inside crankcase	Change oil as specified in Maintenance, page 6.
pump	Worn packings Oil seals leaking	Install new packings. See Pump Service on pages 10 and 12.
		Install new oil seals. See Pump Service on pages 10 and 12.

Troubleshooting

Problem	Cause	Solution
Frequent or premature failure of	Scored, damaged, or worn plungers.	Install new plungers. See Pump Service on pages 10 and 12.
packings	Abrasive material in the fluid being pumped.	Install proper filtration on pump inlet plumbing.
	Inlet water temperature too high	Check water temperature. It should not exceed 160°F (70°C).
	Overpressurized pump	Do not modify any factory-set adjustments. See Equipment Misuse Hazard on page 2.
	Excessive pressure due to partially plugged or damaged tip	Clean or replace tip. See Installing and Changing Spray Tips on page 5.
	Pump running too long without spraying	Never run pump more than 10 minutes without spraying.
	Running pump dry	Do not run pump without water.
Strong surging at inlet, and low pressure on discharge side	Foreign particles in the inlet or discharge valve, or worn inlet and/or discharge valves	Clean or replace valves. See Pump Service on pages 10 and 12.

Pump Service: 2030 Pressure Washer

Repair kits are available. See the individual repair sections, the Parts Lists on pages 15 and 17, and **Pump Repair Kits** on page 18. For the best results, use all parts in the kits.



Relieve the pressure (see page 3) before you proceed with service.

NOTES:

- The following metric wrenches are needed: 5 mm, 13 mm, and 22 mm.
- There is a tool kit to aid in servicing the pump. Tool Kit 800271 includes tools to aid in removing packing retainers.

Valves

NOTE: For a set of six valves, order Valve Assembly Kit 801472.

- 1. Remove the hex plug from the manifold using a 22 mm socket.
- 2. Examine the O-ring under the hex plug, and replace if cut or distorted.
- 3. Remove the valve assembly from the cavity; the assembly might come apart.
- 4. Install the new valve. Install the O-ring and hex plug; torque to 33 ft-lb (45 N•m).

NOTE: Retorque the plug after 5 hours of operation.

Pumping Section

- 1. Remove the eight capscrews and lockwashers from the manifold using a 5 mm wrench.
- 2. Carefully separate the manifold from the crankcase.

NOTE: You might have to tap the manifold lightly with a soft mallet to loosen it.

To avoid damage to the plunger or seals, keep the manifold properly aligned with the ceramic plungers when you remove it.

3. Carefully examine each plunger for any scoring or cracking, and replace as necessary.

Servicing the Plungers

NOTE: Plunger Repair Kit (page 18) is available to replace retainers, O-rings, washers, and backup rings for three cylinders.

- 1. Loosen the plunger retaining nut five to six turns using a 13 mm wrench. Push the plunger towards the crankcase to separate the plunger and retaining screw.
- 2. Remove the nut from the plunger, and examine the O-ring, backup ring, and copper bearing/gasket washer. Replace these parts if necessary using Plunger Assembly Kit 801474.
- 3. Remove the plunger and flinger from the plunger shaft. Clean, examine, and replace parts as necessary.
- 4. Inspect the plunger shaft for oil leakage from the crankcase. If leaking is obvious, replace the oil seals. Otherwise, DO NOT remove these seals, because they cannot be reused. Oil Seal Kits are available for replacing the seals. See **Pump Repair Kits** on page 18.
- 5. Lightly grease the flinger and oil seal if it is being replaced, and replace them on the plunger shaft. Then install the plunger.

Pump Service: 2030 Pressure Washer

 Lightly grease the retaining screw and the outer end of the plunger. Place the washer, O-ring, and backup ring around the screw, and install the nut through the plunger. Torque to 11 ft-lb (15 N•m).

NOTE: If you plan to replace the packings, see **Servicing the V-Packings** at right.

- 7. Lubricate the outside of each plunger. Slide the manifold onto the crankcase, being careful not to damage the seals.
- Install the capscrews and washers finger tight. Torque the screws to 8.8 ft-lb (12 N•m) following the tightening pattern (Fig. 3). Uneven tightening could cause the manifold to bind or jam.

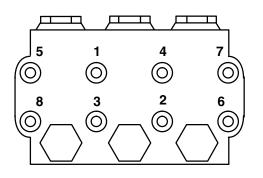


Fig. 3

Servicing the V-Packings

NOTE: There are two types of packing kits: One is packings only. The other includes the packings, rings, and retainers.

- 1. Remove the manifold as outlined in **Pumping Section** on page 10.
- 2. Carefully pull the packing retainer from the manifold. Examine the O-ring, and replace if cut or damaged.
- 3. Remove the V-packing and head ring. Pull out the intermediate retainer ring. Remove the second V-packing and second head ring.
- 4. Inspect all parts and replace as necessary.
- 5. Thoroughly clean the packing cavities, and examine for debris or damage.
- Lightly grease the packing cavities, and replace the packings in the following order: head ring, V-packing, intermediate ring, head ring, V-packing, packing retainer. Install the O-ring in the retainer groove.

Install the parts in the proper order and facing the correct direction. Improperly installed parts will cause a malfunction.

7. Reassemble the manifold as instructed in **Servicing the Plungers** on page 10.

Pump Service: 2835, 3040, & 3340 Pressure Washers

Repair kits are available. See the individual repair sections, the Parts Lists on pages 15 and 17, and **Pump Repair Kits** on page 18. For the best results, use all parts in the kits.



Relieve the pressure (see page 3) before you proceed with service.

NOTES:

- The following metric wrenches are needed: 6 mm, 13 mm, and 27 mm.
- There is a tool kit to aid in servicing the pump. Tool Kit 800271 includes tools to aid in removing packing retainers.

Valves

NOTE: For a set of six valves, order Valve Assembly Kit 801472.

- 1. Remove the hex plug from the manifold using a 27 mm socket.
- 2. Examine the O-ring under the hex plug, and replace if cut or distorted.
- 3. Remove the valve assembly from the cavity; the assembly might come apart.
- Install the new valve. Install the O-ring and hex plug. Torque hex plug to 73 ft-lb (99 N•m).

NOTE: Retorque the plug after 5 hours of operation.

Pumping Section

- 1. Remove the eight capscrews and lockwashers from the manifold using a 6 mm wrench.
- 2. Carefully separate the manifold from the crankcase.

NOTE: You might have to tap the manifold lightly with a soft mallet to loosen it.

To avoid damage to the plunger or seals, keep the manifold properly aligned with the ceramic plungers when you remove it.

3. Carefully examine each plunger for any scoring or cracking, and replace as necessary.

Servicing the Plungers

NOTE: Plunger Repair Kit (page 18) is available to replace retainers, O-rings, washers, and backup rings for three cylinders.

- 1. Loosen the plunger retaining nut five to six turns using a 13 mm wrench. Push the plunger towards the crankcase to separate the plunger and retaining screw.
- 2. Remove the nut from the plunger. and examine the O-ring, backup ring, and copper bearing/gasket washer. Replace these parts if necessary using Plunger Assembly Kit 801474.
- 3. Remove the plunger and flinger from the plunger shaft. Clean, examine, and replace parts as necessary.
- 4. Inspect the plunger shaft for oil leakage from the crankcase. If leaking is obvious, replace the oil seals. Otherwise, DO NOT remove these seals, because they cannot be reused. Oil Seal Kits are available for replacing the seals. See **Pump Repair Kits** on page 18.
- 5. Lightly grease the flinger and oil seal if it is being replaced, and replace them on the plunger shaft. Then install the plunger.

Pump Service: 2835, 3040, & 3340 Pressure Washers

 Lightly grease the retaining screw and the outer end of the plunger. Place the washer, O-ring, and backup ring around the screw, and install the nut through the plunger. Torque to 14.4 ft-lb (19.5 N•m).

NOTE: If you plan to replace the packings, see **Servicing the V-Packings** at right.

- 7. Lubricate the outside of each plunger. Slide the manifold onto the crankcase, being careful not to damage the seals.
- Install the capscrews and washers finger tight. Torque the screws to 22 ft-lb (30 N•m) following the tightening pattern (Fig. 4). Uneven tightening could cause the manifold to bind or jam.

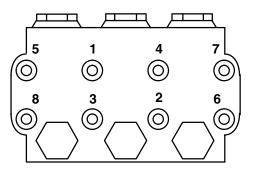


Fig. 4

Servicing the V-Packings

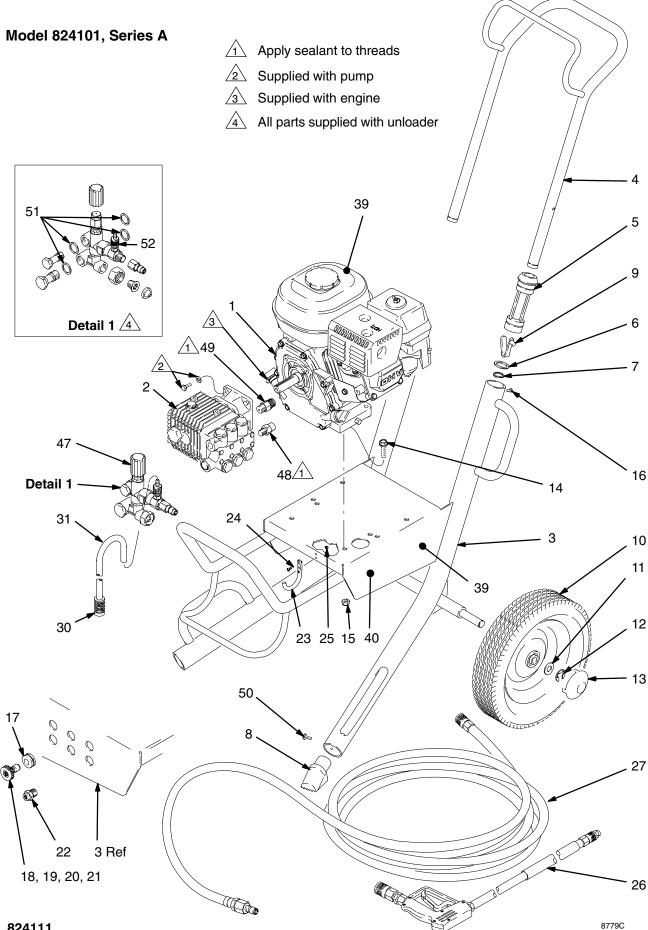
NOTE: There are two types of packing kits: One is packings only. The other includes the packings, rings, and retainers.

- 1. Remove the manifold as outlined in **Pumping Section** on page 12.
- 2. Carefully pull the packing retainer from the manifold. Examine the O-ring, and replace if cut or damaged.
- 3. Remove the V-packing and head ring. Pull out the intermediate retainer ring. Remove the second V-packing and second head ring.
- 4. Inspect all parts and replace as necessary.
- 5. Thoroughly clean the packing cavities, and examine for debris or damage.
- Lightly grease the packing cavities, and replace the packings in the following order: head ring, V-packing, intermediate ring, head ring, V-packing, packing retainer. Install the O-ring in the retainer groove.

Install the parts in the proper order and facing the correct direction. Improperly installed parts will cause a malfunction.

7. Reassemble the manifold as instructed in **Servicing the Plungers** on page 12.

Parts: 2030 Pressure Washer



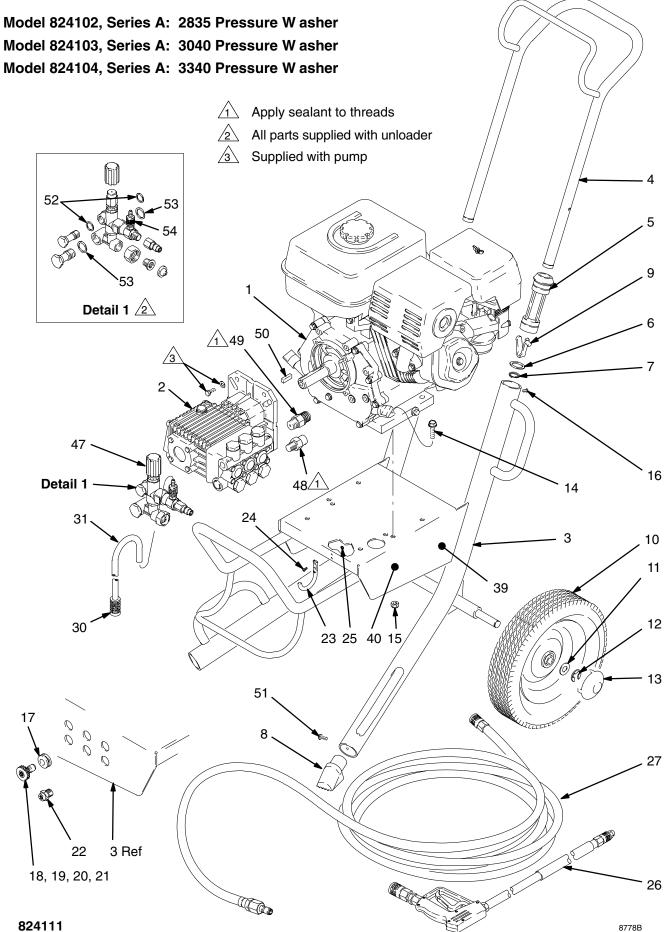
Parts: 2030 Pressure Washer

USE ONLY GENUINE GRACO PARTS AND ACCESSORIES

Model 824101, Series A

Ref.	D . N	_	•	Ref.	D . N	B	<u>.</u>
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	802264	ENGINE, 5.5 hp	1	22	805520	TIP, spray, chemical injector; bla	ck 1
2	804531	PUMP ASSEMBLY	1	23	114801	HOOK, pail	1
3	240998	FRAME, cart	1	24	112380	SCREW, mach, fil hd, 1/2 in.	2
4	239998	HANDLE, cart	1	25	109466	LOCKNUT	2
5	191084	SLEEVE, cart	2	26	804381	GUN & WAND ASSEMBLY	1
6	183350	WASHER	2	27	804592	HOSE, high pressure 3/8 x 50 ft	1
7	110243	RING, retaining	2	30	801683	STRAINER, chemical	1
8	115481	FOOT, cart	2	31	194188	TUBING, chemical	1
9	112827	BUTTON, snap	2	39	290013	LABEL, Danger	1
10	179811	WHEEL, semi-pneumatic	2	40	290131	LABEL, Warning	1
11	154636	WASHER	2	46	190781	TUBE, polyethylene	1
12	101242	RING, retaining. ext	2	47	804543	KIT, unloader/injector	1
13	104811	CAP, hub	2	48	800742	VALVE, thermal relief	1
14	110837	SCREW, flange, hex hd, 5/16 ir		49	804542	VALVE, relief	1
15	111040	NUT, lock, nylock 5/16–18 in.	4	50	115496	SCREW, thread forming, pnhd	2
16	108795	SCREW, mach, pan hd	4	51	804570	GASKET, steel	4
17	801012	GROMMET, rubber	6	52	244350	KIT, repair, chemical, injector	1
18	805543	TIP, spray, Q-type;			_		
		0° blaster (red), 0004	1		-	and Warning labels are available	
19	805544	TIP, spray, Q-type;		fre	e of charge).	
		15° (yellow), 1504	1				
20	805545	TIP, spray, Q-type;					
		25° (green), 2504	1				
21	805546	TIP, spray, Q-type;					
		40° (white), 4004	1				

Parts: 2835, 3040, & 3340 Pressure Washers



Parts: 2835, 3040, & 3340 Pressure Washers

USE ONLY GENUINE GRACO PARTS AND ACCESSORIES

Model 824102, Series A: 2835 Pressure W asher Model 824103, Series A: 3040 Pressure W asher Model 824104, Series A: 3340 Pressure W asher

805546

805550

Models 824102 & 824104 (4504)

Model 824103 (45045)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		ENGINE	1	22	805520	TIP, spray, chemical injector; bla	ack 1
	803900	Model 824102, 9 hp	1	23	114801	HOOK, pail	1
	803158	Model 824103, 11 hp	1	24	112380	SCREW, mach, fil hd, 1/2 in.	2
	114703	Model 824104, 13 hp	1	25	109466	LOCKNUT	2
2		PUMP ASSEMBLY	1	26	804381	GUN & WAND ASSEMBLY	1
	804559	Model 824102, 2835	1	27		HOSE, high pressure 3/8 x 50 f	t
	804503	Model 824103, 3040	1		804592	Model 824102	1
	114707	Model 824104, 3340	1		800747	Models 824103 & 824104	1
3	240998	FRAME, cart	1	30	801683	STRAINER, chemical	1
4	239998	HANDLE, cart	1	31	194188	TUBING, chemical	1
5	191084	SLEEVE, cart	2	39	290013	LABEL, Danger	1
6	183350	WASHER	2	40	290131	LABEL, Warning	1
7	110243	RING, retaining	2	46	190781	TUBE, polyethylene	1
8	115481	FOOT, cart	2	47	~ ~ ~ ~ ~ ~	KIT, unloader/injector	1
9	112827	BUTTON, snap	2		804567	Model 824102, 9 hp	1
10	179811	WHEEL, semi-pneumatic	2		804528	Model 824103, 11 hp	1
11	154636	WASHER	2		114706	Model 824104, 13 hp	1
12	101242	RING, retaining. ext	2	48	804397	VALVE, thermal relief	1
13	104811	CAP, hub	2	49	004500	VALVE, relief	1
14	110837	SCREW, flange, hex hd, 5/16 in.			804536	Model 824102, 9 hp	1
15	111040	NUT, lock, nylock 5/16–18 in.	4		804547	Model 824103, 11 hp	1
16 17	108795	SCREW, mach, pan hd	4 6	50	114705	Model 824104, 13 hp	1
18	801012	GROMMET, rubber	•	50	801137	KEY, square	1
10	805543	TIP, spray, Q-type; 0° blaster (re Models 824102 & 824104 (0004		51 52	115496 804570	SCREW, thread forming, pnhd	2 2
	805543 805547	Model 824102 & 824104 (0004 Model 824103 (00045))1 1	52 53	804570 804569	GASKET, steel GASKET, steel	2
19	605547		I	53 54	244350	KIT, repair, chemical, injector	2 1
19	805544	TIP, spray, Q-type; 15° (yellow) Models 824102 & 824104 (1504) 1	54	244350	KIT, Tepali, chemical, injector	I
	805548	Model 824103 (15045)	1		tra Dangor	and Warning labels are available	
20	000040	TIP, spray, Q-type; 25° (green)	1	_	e of charge	0	
20	805545	Models 824102 & 824104 (2504) 1	116	e or criarge		
	805549	Model 824103 (25045)	, ' 1				
21	0000-0	TIP, spray, Q-type; 40° (white)	I				
<u> </u>	005540						

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Accessories

Antifreeze Flush Kit 802327

For flushing system with 50% antifreeze solution prior to transporting or storing pressure washer in below-freezing temperatures.

Pump Repair Kits

Repair Kit						
Model 824101 Models 824102 and 824103		Model 824104	Description	Qty.	Entire Pump	One Cyl
804033 Oil Seal	801658 Oil Seal	801658 Oil Seal	SEAL, Oil	3	*	
801472 804402 804402 O-RING Valve Assembly Valve Assembly Valve Assembly SEAT, Valve VALVE SPRING CAGE, Valve		6 6 6 6	*			
804034 Valve Cap	804403 Valve Cap	804403 Valve Cap	O-RING CAP	6 6	*	
804036 Packing Assembly	804404 Packing Assembly	114793 Packing Assembly	O-RING RETAINER, Packing RING, Intermediate PACKING PACKING RING, Head	1 1 1 2 2		*
801474 Plunger Assembly	243430 Plunger Assembly	241325 Plunger Assembly	WASHER O-RING BACK UP SCREWS, retaining FLINGER	3 3 3 3 3 3	*	
804011 Plunger	804415 Plunger	804415 Plunger	Plunger	1		*

* Designates whether kit contains parts for entire pump or for only one cylinder.

Technical Data

	Model 824101 (2030)	Model 824102 (2835)	Model 824103 (3040)	Model 824104 (3340)	
Engine (4 cycle, air cooled)	5.5 HP Honda™ OHV	9 HP Honda OHV	11 HP Honda OHV	13 HP Honda OHV	
Gasoline tank capacity	3.8 qt (3.6 L)	6.2 qt (6.1 L)	6.9 qt (6.5 L)	6.9 qt (6.5 L)	
Water pump maximum working pressure	2400 psi (165 bar, 16.5 MPa)	3200 psi (221 bar, 22.1 MPa)	3400 psi (234 bar, 23.4 MPa)	3700 psi (255 bar, 25.5 MPa)	
Water pump maximum flow	3 gpm (11 lpm)	3.5 gpm (13 lpm)	4 gpm (15 lpm)	4 gpm (15 lpm)	
Inlet hose connection	3/4-in. garden hose (f)	3/4-in. garden hose (f)	3/4-in. garden hose (f)	3/4-in. garden hose (f)	
Weight (without gun and hose)	103 lb (47 kg)	142 lb (64 kg)	151 lb (69 kg)	151 lb (69 kg)	
Dimensions Length Width Height	36.5 in. (927mm) 22.0 in. (533mm) 31.5 in. (788mm)	36.5 in. (927mm) 22.0 in. (533mm) 31.5 in. (788mm)	36.5 in. (927mm) 22.0 in. (533mm) 32.5 in. (813mm)	36.5 in. (927mm) 22.0 in. (533mm) 32.5 in. (813mm)	
Maximum inlet water temperature	160°F (70°C)	160°F (70°C)	160°F (70°C)	160°F (70°C)	
Sound data (measured per ISO 3744) Sound power level Sound pressure level	93.1 dB(A) 103.5 dB(A)	94.3 dB(A) 104.7 dB(A)	95.8 dB(A) 106.3 dB(A)	97.4 dB(A) 111.6 dB(A)	
Wetted parts High-pressure hose Bypass hose Pressure washer (including fittings)	Acrylonitrile and Buna-N cover and tube Synthetic yarn and EPDM Anodized aluminum, aluminum or bronze alloys, brass copper, Nylon-PTFE® composite, ceramic, buna-N, cotton phenolic, 303, 304, and 316 stainless steel, Polymide–12 thermoplastic, PTFE®, carbon steel, zinc with or without yellow chromate plate				

PTFE®

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Sherwin-Williams Standard Warranty

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This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco does provide extended warranty and wear warranty for products described in the "Graco Contractor Equipment Warranty Program".

Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you: 1-800-690-2894 Toll Free

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