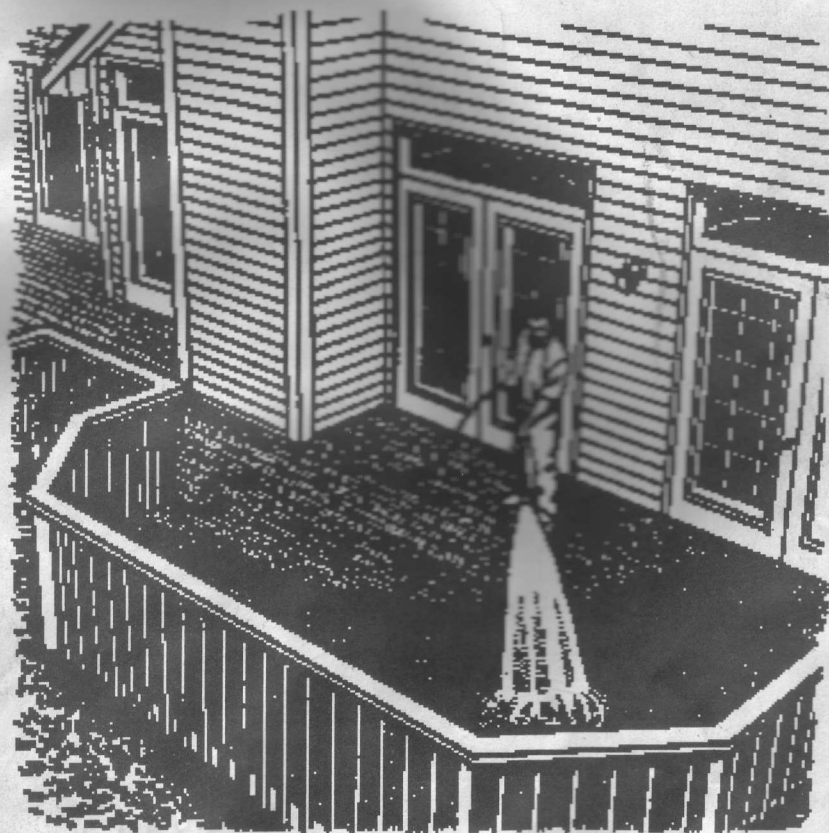


Coleman Powermate®

Operator Manual
Manuel de L'opérateur
Manual del operatdor



CAUTION

IMPORTANT - Please make certain that everyone who uses the Coleman Powermate Pressure Washer thoroughly reads and understands these instructions prior to operation.

ATTENTION

IMPORTANT - Veiller à ce que toute personne amenée à utiliser cet appareil lise soigneusement ces instructions et les comprenne avant de procéder à son utilisation.

PRECAUCIÓN

IMPORTANTE - Favor de cerciorarse de que toda persona que use el Lavador de presión Coleman Powermate lea y entienda todas las instrucciones antes de la operación.

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Congratulations on purchasing a Coleman Powermate Pressure Washer. Whether you are doing light cleaning at home or are needing power to do the tough jobs, Coleman Powermate pressure washers are built to give you the power you need. Your Coleman Powermate pressure washer will serve you for years to come. Following proper break-in procedures, by using recommended set-up and operating procedures, and performing preventive maintenance as specified in this and the accompanying engine manual.


Most important is the safety of you and those around you. Remember that while the Coleman Powermate pressure washer gives you the power you need to complete your job, safety rules should always be followed.





Thank you for selecting our product.

Coleman Powermate

Safety Symbols


The following symbols are used throughout this manual. Follow listed instructions to ensure your safety.


 **DANGER**







Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury


 **WARNING**







Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION**

Indicates a potentially hazardous situation exists, which if not avoided, may result in minor or moderate injury or product damage.

NOTE: Indicates operation or maintenance information helpful to improve performance or operation.

The following Safety Precautions apply whenever using, storing or servicing Coleman Powermate Pressure Washers or their engines to reduce the possibility of personal injury. Overlooking or ignoring these precautions can lead to personal injury or product damage.



WARNING



- Read this manual carefully. Know your equipment. Consider applications, potential hazards and limitations for your unit.
- This equipment is designed for specific applications. Do not modify or use for any application other than which it is designed.
- Store the Pressure washer in a well ventilated area with the fuel tank empty. Fuel should not be stored near the pressure washer.
- Never operate under these conditions:
 - a. A noticeable change in engine speed.
 - b. A noticeable loss of pressure.
 - c. The engine misfires.
 - d. Smoke or flames are present.
 - e. Enclosed compartment.
 - f. Excessive vibration.
 - g. Rain or inclement weather.
- Water spray must never be directed towards any electric wiring or directly towards the pressure washer.
- Do not allow the hose to come in contact with hot muffler.
- Equipment must be placed on a firm, supporting surface.
- Remove the spark plug or cable from the spark plug to prevent accidental starting, when not in use, or prior to detaching the high pressure hose.
- Keep the pressure washer clean and free of oil, mud and other foreign matter.
- Do not wear loose clothing, jewelry, or anything that may be caught in the engine.
- Never direct spray at people or pets.
- Never allow children to operate pressure washer at any time.
- Use both hands to control the wand.



WARNING



- Do not touch nozzle or water spray while operating.
- Wear safety goggles while operating.
- Only approved hoses and nozzles should be used.
- The trigger gun must not be jammed in position during operation.
- Never tie knots or kink the high pressure hose.
- All hose connections must be properly sealed.
- Prior to starting the pressure washer in cold weather, be sure ice has not formed in any part of the equipment.
- Use only recommended chemicals.
- Outdoors use only.
- Place the pressure washer away from cleaning site during operation.
- To prevent accidental discharge, the spray gun should be secured by locking trigger when not in use.
- Do not run the pressure washer for more than five minutes without depressing the trigger or damage to the pump may result.
- Check the fuel system periodically for leaks or signs of deterioration such as chafed or spongy hose, loose or missing clamps, or damaged tank or cap. All defects should be corrected before operation.
- Do not touch hot muffler.
- Service, operate and refuel under the following conditions.
 - a. Good ventilation.
 - b. Refuel the pressure washer in a well lighted area.
 - c. Avoid fuel spills and never refuel while the pressure washer is running.
 - d. Avoid an ignition source when refueling.
 - e. Use lead free fuel with a minimum of 85 octane.
- Do not smoke near the pressure washer.
- Do not use damaged high-pressure hoses.

SAFETY FEATURES

THERMAL RELIEF VALVE

A thermal relief valve is provided to protect the pump from overheating if the spray gun is closed for an extended length of time or the nozzle becomes plugged. However, it is intended to be used as a backup system and every effort should be made to not permit the pump to heat up.

We recommend turning the pressure washer off if it will not be used for more than five minutes. This saves wear on the unit, reduces fuel consumption and extends the life of the pump by avoiding heat.

SAFETY LOCK OFF LATCH

To prevent accidental discharge of high pressure water, the safety latch on the trigger should be engaged whenever the pressure washer is not in use. (Refer to Operating Instructions.)

LOW-OIL SHUTDOWN

Some engines are equipped with low-oil shutdown. If the engine oil level becomes lower than required, the pressure washer will automatically shut off. (Refer to the engine manual for this feature.) This protects your pressure washer engine from operating without proper lubrication.

If the pressure washer engine shuts off and the oil level is according to specification, check to see if the pressure washer is setting at an angle that forces oil to shift. Place on an even surface to correct this. If the engine fails to start, the oil level may not be sufficient to deactivate low oil level switch. Be sure the sump is completely full of oil.



CAUTION



The pump will overheat and may be damaged, or cause damage if allowed to circulate more than five minutes.

BEFORE OPERATION

NOTE: The engine and pump on your Coleman Powermate Pressure Washer will often have improved performance after a break-in period of several hours.

PRE-START PREPARATION

Before starting the pressure washer, check for loose or missing parts and for any damage which may have occurred during shipment.

HOSE AND GUN ASSEMBLY

NOTE: Align threaded connections carefully to prevent damaging threads during assembly. Tighten connections securely to prevent leaks during operation.

Attach the hose to the inlet of the trigger gun.

LUBRICATION

DO NOT attempt to start the pressure washer engine without filling the engine crank case with the proper amount and type of oil. (See the accompanying engine manual for this information.) Your pressure washer engine has been shipped from the factory without oil in the engine crankcase. Operating the unit without oil will ruin the engine.

The pump has been shipped with oil. Before operating the pressure washer check the oil level of the pump to make sure the oil level is to pumps manufacturers required level. Use oil that is recommended from the pumps manufacturer. **DO NOT OVERFILL!**

If the pump is not equipped with a dipstick or side glass window check oil leaks from the pump. Pump oil is shipped in the pump from factory. Follow pump manufactures maintenance schedule for proper care.

FUEL

Fill the tank with clean, fresh unleaded automotive gasoline. Regular grade gasoline may be used provided a high octane rating is obtained (at least 85 pump octane).



WARNING



Gasoline is very dangerous. Serious injury may result from fire caused by gasoline contacting hot surfaces.

OPERATING CONNECTIONS

HIGH PRESSURE HOSE

Attach the high pressure hose to the pressure washer by pulling back the collar on the quick connect coupling on the hose and pushing it over the coupling half on the pressure washer outlet.

NOTE: DO NOT use a high pressure hose from another manufacturer.

WATER CONNECTION

Before connecting to unit, run water through the garden hose (not supplied) to flush out any foreign matter. Check that the screen is clean and is in the inlet of the pump. Attach garden hose to the pressure washer water inlet.

NOTE: The water supply must provide a minimum of 4 g.p.m. at 20 p.s.i. or the pump will be damaged.

OPERATING INSTRUCTIONS

START-UP PROCEDURE

1. Make sure water supply is connected and turned on.
2. Release gun safety if locked.
3. To allow air to escape from the hose, squeeze trigger on the gun until there is a steady stream of water coming from the nozzle.
4. Remove any dirt or foreign matter from the gun outlet and the male connector of the wand.
5. Insert the nozzle wand into the gun wand and tighten the twistfast fitting securely by hand.



WARNING



If the wand is not securely locked into place, it could be ejected under high pressure when operating the gun, possibly causing injury or damage.

STARTING THE ENGINE

1. Check oil and fuel level.
2. Adjust choke prime as necessary.
3. Set the engine switch to the "ON" position.
4. Squeeze trigger on pressure washer to release pressure while pulling on the engine starter rope with a fast steady pull. Pressure may otherwise build up making starting the unit difficult.
5. As the engine warms up, readjust the choke.

CHEMICAL INJECTION



CAUTION

This pressure washer is intended for use only with liquid car wash detergents, developed specifically for pressure washer and with mild soaps. We recommend the use of Coleman Powermate Pressure Washer Chemicals. Only use chemicals compatible with the aluminum and brass parts of the pressure washer. Powdered soaps may clog the injection system. Always use chemicals according to manufacturer directions. Coleman Powermate assumes no responsibility for any damages caused by chemicals injected through this pressure washer.

1. Attach injection tube assembly to the siphon injector on the pump.
2. Open a container of Coleman Powermate Pressure Washer Chemical and place next to the unit near the injection tube.
3. Visually inspect strainer at the end of the injection tube to verify that it is not clogged.
4. Insert the injection tube into the container all the way to the bottom.
5. Chemical injection is adjustable. Set injection rate by turning valve clockwise until it is tight. Then turn valve counterclockwise to increase injector rate and clockwise to decrease injector rate.
6. Remove the high pressure nozzle from the wand and install the black injection nozzle. the solution will automatically be mixed with the water and discharged through the nozzle.

NOTE: 1. For certain models, if the engine throttle is not in the "fast" position, the injection of the solution may be decreased or stopped.

CLEANING TECHNIQUES

Cleaning Techniques

When cleaning with the pressure washer, many cleaning tasks can be solved with water alone, but for most tasks it is advantageous to use a detergent also. A detergent ensures a quick soaking of the dirt allowing the high pressure water to penetrate and remove the dirt more effectively.

Coleman Powermate Pressure Washer Chemicals are specially formulated to be used with your pressure washer.

APPLICATION OF SOAP OR DEGREASER

1. Apply the solution to a DRY work surface.

On a vertical surface, apply horizontally from side to side starting from the bottom to avoid streaking.

NOTE: Wetting the surface first is not recommended, as it dilutes the detergent and reduces its cleaning ability.

Avoid working on hot surfaces or in direct sunlight to minimize the chances of the chemical damaging painted surfaces. Damage may occur to painted surface if chemical is allowed to dry on the surface. Hold nozzle far enough away from surface to prevent damage to the surface.

2. Allow chemical to remain on the surface for a short time before rinsing.

3. Rinse with clean water under high pressure. On a vertical surface, first rinse from the bottom up, then rinse from the top down. Hold nozzle 6 to 8 inches from the work surface at a 45° angle using the flat spray as a peeling tool rather than a scrub brush.

APPLICATION OF WAX

1. Immediately after cleaning, apply Coleman Powermate Pressure Washer Wax. Place injection tube in container of wax.
2. Apply the wax sparingly in an even layer. Apply to wet surfaces from the bottom up for even distribution and to avoid streaking.
3. Remove the suction tube from the wax bottle and rinse off the surplus wax.

NOTE: IF SURPLUS WAX IS NOT REMOVED, A HAZY FINISH MAY RESULT.

4. Wipe dry to reduce water spotting.

END OF OPERATION

End of Operation

When you have completed use of the chemical injection system, remove tube from container. Continue to run in low pressure position and inject clean water through the tube and injection system by placing end of tube in a container of clean water. Continue to run until it is thoroughly cleaned.

MAINTENANCE

CONNECTIONS

Connections on pressure washer hoses, gun and spray wand should be cleaned regularly and lubricated with the manufacturer's recommended grease to prevent leakage and damage to the o-rings.

NOZZLE

If the high pressure/low pressure adjustment of the nozzle becomes difficult, please contact Coleman Powermate Customer Service Department for proper cleaning and lubrication procedures.

Clogging of the nozzle causes the pump pressure to be too high and cleaning is immediately required.



WARNING



A nozzle cleaner must only be used when the spray wand is disconnected from the gun or personal injury could result.

1. Separate the wand from the gun.
2. Clear the nozzle with a small rigid piece of wire such as a paper clip.
3. Flush the nozzle backwards with water.
4. Reconnect the wand to the gun.

Restart the pressure washer and depress the trigger on the spray gun. If the nozzle is still plugged or partially plugged, repeat above items 1-4.

If the previous procedure does not clear the nozzle, replace with a new nozzle.

WATER SCREEN

The pressure washer is equipped with a water inlet screen to protect the pump. If the screen is not kept clean, it will restrict the flow of water to the pressure washer and may cause damage to the pump. Do not damage the screen while removing or cleaning screen. Any foreign particles entering the pump may damage the pump. Do not operate pressure washer without the screen in place.

Remove the screen and backflush to remove impurities from screen. Replace immediately.

ENGINE MAINTENANCE

During the winter months, rare atmospheric conditions may develop which will cause an icing condition in the carburetor. If this develops, the engine may run rough, lose power, and may stall. This temporary condition can be overcome by deflecting some of the hot air from the engine over the carburetor area.

NOTE: Refer to the engine manufacturer's manual for service and maintenance of the engine.

STORAGE**PUMP STORAGE**

If you must store your pressure washer in a location where the temperature is below 32°F, you can minimize the chance of damage to your machine by utilizing the following procedure:

1. Shut off water supply and relieve pressure in the spray gun by depressing the trigger. Disconnect the garden hose from the pressure washer, but leave the high pressure hose connected.
2. Tip the unit on its side with the inlet connection pointing up.
3. Insert a small funnel (to prevent spilling) into the inlet and pour in approximately 1/4 cut of RV antifreeze.
4. Disconnect spark plug wire.
5. Without connecting garden hose pull the recoil several times to circulate the antifreeze in the pump system. Continue to add antifreeze and pull the recoil until the antifreeze is expelled when the trigger is pulled.
6. Turn the unit upright.

**CAUTION**

Prior to restarting, thaw out any possible ice from the pressure washer hoses, spray gun and wand.

Another method of reducing risks of freeze damage is to drain your pressure washer as follow:

1. Stop the pressure washer and detach supply hose and high pressure hose. Squeeze the trigger of the discharge gun to drain all water from the wand and hose.
2. Restart the pressure washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet.

ENGINE STORAGE

When the pressure washer is not being operated or is being stored more than one month, follow these instructions:

1. Replenish engine oil to upper level.
2. Drain gasoline from fuel tank, fuel line, fuel valve and carburetor.
3. Pour about one teaspoon of engine oil through the spark plug hole, pull the recoil starter several times and replace the plug. Then pull the starter slowly until you feel increased pressure which indicates the piston is on its compression stroke and leave it in that position. This closes both the intake and exhaust valves to prevent the inside of the cylinder from rusting.
4. Cover the pressure washer and store in a clean, dry place that is well ventilated away from open flame or sparks.

NOTE: The use of a fuel additive, such as Coleman Powermate Generator Fuel Additive®, or an equivalent, will minimize the formulation of fuel gum deposits during storage. Such an additive may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

WARRANTY**LIMITED WARRANTY**

This product is warranted by Coleman Powermate, Inc. to the original retail consumer against defects in material and workmanship for a period of one year from the date of retail purchase and is not transferable. This one year warranty applies only to products used in consumer applications. This warranty does not apply to commercial or rental applications.

Please complete and return the enclosed Customer Information Card so that we can reach you in the unlikely event a safety recall is needed. Return of this card is not required to validate this warranty.

WHAT IS COVERED: Replacement parts and labor.

WHAT IS NOT COVERED: This warranty does not include such parts as nozzles which must be replaced as part of normal maintenance of the equipment, rather than as the result of a defect. Transportation charges to Coleman Powermate, Inc. for defective products. Transportation charges to consumer for repaired products. Damages caused by abuse, accident, improper repair, or failure to perform normal maintenance. Use of improper chemicals or non-compliance with the operator manuals instructions. Sales outside of the United States and Canada. Any other expense including consequential damages, incidental damages, or incidental expenses, including damage to property. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty does not cover damage resulting from failure to observe any of the following condition.:

- 1) The inlet water pressure must be between 20 and 100 p.s.i.
- 2) The inlet water temperature must not exceed 140°F.
- 3) The unit should not run for more than five (5) minutes with the gun in the closed position.
- 4) The unit should not be stored in areas where temperatures may drop below 32°F.

IMPLIED WARRANTIES: Any implied warranties, including the Implied Warranties of Merchantability and Fitness For A Particular Purpose, are limited in duration to one (1) year from the date of retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

HOW TO OBTAIN WARRANTY PERFORMANCE: Attach the product your name, address, description of the problem, phone number and proof of date of retail purchase (sales slip). Call our Customer Service Department at 1-800-445-1805 for a return authorization number, or unit will be refused. Package and return the product (transportation charges prepaid) to: Coleman Powermate, Inc., Attn: Warranty Service Dept., 4970 Airport Road, Kearney, Nebraska 68848.

To the extent any provision of this warranty is prohibited by federal, state or municipal law, and cannot be preempted, it shall not be applicable. This warranty gives you specific rights and you may also have other rights which vary from state to state.

PROBLEM	POSSIBLE CAUSE	CORRECTION
Engine will not start or stops while operating.	Low-oil shutdown.	Fill engine with oil.
	Engine switch not in the "ON" position.	Turn switch "ON".
	Pressure build up in hose.	Squeeze trigger.
Engine is overloaded.	Nozzle partially blocked.	Clean nozzle.
	Excessive pressure.	Reduce pressure by using pressure adjustment knob
Water or oil leaking from bottom of pump.	A small amount of leakage is normal.	If excessive leaking occurs call the Customer Service Department.
Pressure increases when gun is closed.	Bypass valve not operating properly.	Call the Customer Service Department.
Engine running but pump not building maximum pressure or has irregular pressure.	Faucet closed	Open faucet.
	Unit has been stored in freezing temperatures.	Thaw out unit completely including hose, gun and wand.
	Inadequate water supply.	Provide a minimum of 4 gpm at 20 psi.
	Water inlet screen clogged.	Clean screen.
	Kink in garden hose.	Straighten hose
	Wand nozzle worn or damaged.	Replace nozzle,
	Air in pump.	Let run with gun open and wand removed until steady stream of water is released.
	Adjustable pressure knob not set to maximum position.	Set to maximum position.
	Suction or discharge valves clogged or worn out.	Call the Customer Service Department.
No intake of chemicals	By-pass valve not operating effectively.	Call the Customer Service Department.
	Injection tube not securely inserted into unit.	Push firmly into injector.
	Tube cracked or split.	Replace tubing.
	Wrong nozzle.	Switch to low pressure nozzle.
	Injector turned off.	Turn collar counter clockwise.
	Injection tube strainer clogged.	Clean strainer.
	Nozzle blocked.	Clean nozzle.
Trigger will not move.	Dried chemicals injector.	Dissolve by running warm water through the injection tube.
	Gun safety lock engaged.	Release safety lock.
Water in crankcase.	High humidity.	Change oil more frequently.
	Worn seals.	Call the Customer Service Department.
Noisy operation.	Worn bearings	Call the Customer Service Department.
	Air mixed with water.	Check inlet lines for restrictions and /or proper sizing.
Rough/pulsating operation with pressure drop.	Worn packing.	Call the Customer Service Department.
	Inlet restriction.	Check system for stoppage, air leaks, correctly sized inlet plumbing to pump.
	Unloader.	Check unloader for proper operation.
	Air mixed in water.	Check inlet lines for restrictions and/or proper sizing.
High crankcase temperatures.	Wrong grade of oil.	Use recommended oil.
	Improper amount of oil in crankcase.	Adjust oil level to proper amount.

CUSTOMER SERVICE

Call our toll free number
1800-445-1805
8 a.m. to 5 p.m. C.S.T.
to obtain warranty service information,
order replacement parts or accessories
or for return authorization.

Please have the following information available:

1. Model Number.
2. Serial Number.
3. Date and where purchased.
4. Replacement numbers if you are ordering parts.

Coleman Powermate, Inc.
4970 Airport Road
P.O. Box 6001
Kearney, NE 68848
Attention: Warranty Service Department