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Pour toute question ou tout commentaire, nous contacter.
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1-800-4-DEWALT • www.dewalt.com

**INSTRUCTION MANUAL
GUIDE D'UTILISATION
MANUAL DE INSTRUCCIONES**

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA
DE GARANTÍA. **ADVERTENCIA:** LEÁSE ESTE INSTRUCTIVO ANTES
DE USAR EL PRODUCTO.

DEWALT®

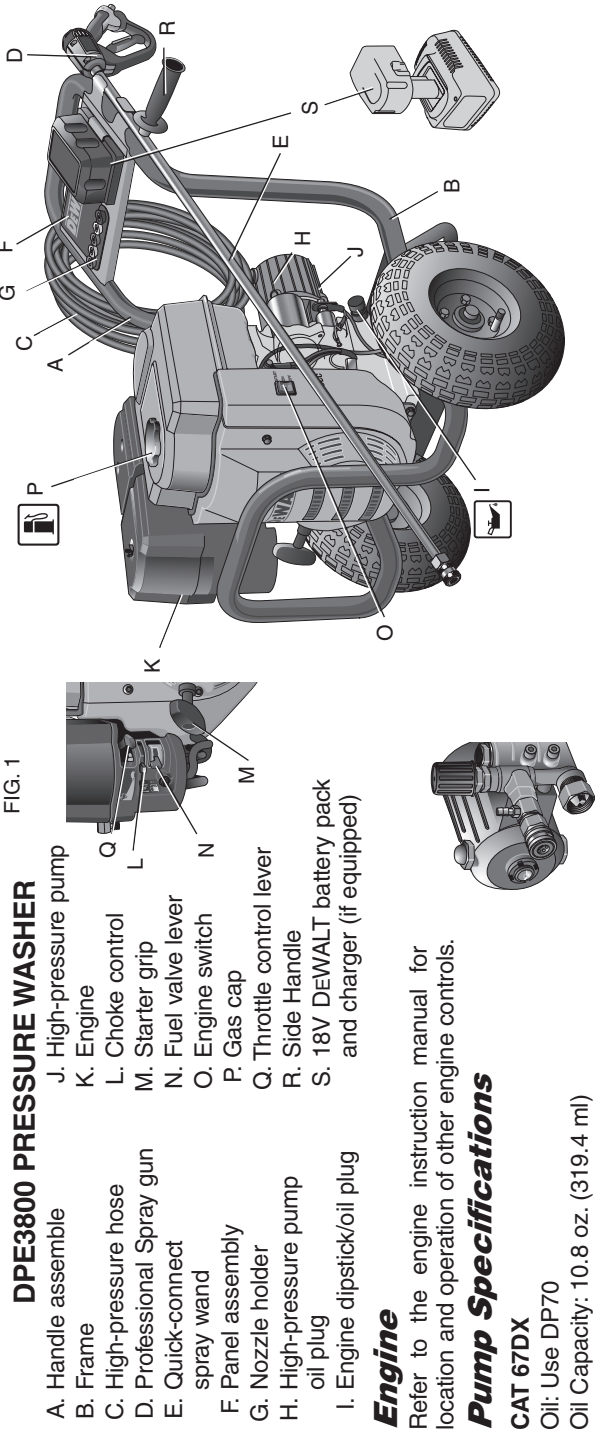
DPE3800

Heavy-Duty Pressure Washer

Laveuse à pression (trés trabaja)

Lavadora a presión para trabaja pesada

FIG. 1



Specifications

MODEL	WEIGHT	HEIGHT	WIDTH	LENGTH	PSI MAX*	OPERATING PSI	GPM MAX*	OPERATING GPM	ENGINE
DPE3800	147 lbs	29"	24"	40"	3800	3420	4.0 (15.1 L/min)	3.6 (13.6 L/min)	DEWALT 389 cc OHV, 11 Net HP, 13 Gross HP **

* Maximum psi and GPM ratings determined in accordance with the Pressure Washers Manufacturers Association (PWMA) standard PW101

** Horsepower rating (shown as maximum output @ 3600 rpm) is in accordance with SAE J1349 for Net HP and SAE J1995 for Gross HP. Actual engine power will be lower. Engine power depends on the application, operating speed, operating conditions and other variables.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

⚠ 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 which, if not avoided, **may** result in **minor** or **moderate injury**.

CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **may** result in **property damage**.

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY DEWALT TOOL, CALL US TOLL FREE AT: 1-800-4-DEWALT (1-800-433-9258)

Important Safety Instructions

⚠ WARNING: Do not operate this unit until you read this instruction manual and the engine instruction manual for safety, operation and maintenance instructions.

⚠ WARNING: When using this product basic precautions should always be followed, including the following:

1. Read all instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.

3. Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls.
4. Stay alert—watch what you are doing.
5. Do not operate the product when fatigued or under the influence of alcohol or drugs.
6. Keep operating area clear of all persons.
7. Do not overreach or stand on unstable support. Keep good footing and balance at all times.
8. Follow the maintenance instructions specified in the manual.

⚠ DANGER: RISK OF INJECTION OR SEVERE INJURY. KEEP CLEAR OF NOZZLE. DO NOT DIRECT DISCHARGE STREAM AT PERSONS. THIS PRODUCT IS TO BE USED ONLY BY TRAINED OPERATORS.

⚠ WARNING: This product may not be equipped with a spark-arresting muffler. If the product is not equipped and will be used around flammable materials or on land covered with materials such as agricultural crops, forest, brush, grass or other similar items, then an approved spark arrester must be installed and is legally required in the state of California. It is a violation of California statutes section 130050 and/or sections 4442 and 4443 of the California Public Resources Code, unless the engine is equipped with a spark arrester, as defined in section 4442, and maintained in effective working order. Spark arresters are also required on some U.S. Forest Service land and may also be legally required under other statutes and ordinances.

⚠ WARNING: This product and its exhaust contain chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. In addition, some cleaning products and dust contain chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

SAVE THESE INSTRUCTIONS



⚠ DANGER: RISK OF EXPLOSION OR FIRE

WHAT CAN HAPPEN

- Spilled gasoline and it's vapors can become ignited from cigarette sparks, electrical arcing, exhaust gases and hot engine components such as the muffler.

HOW TO PREVENT IT

- Shut off engine and allow it to cool before adding fuel to the tank.
- Use care in filling tank to avoid spilling fuel. Move pressure washer away from fueling area before starting engine.
- Make sure any spilled fuel on unit is dry before starting.
- Make sure fuel cap is secure before starting.

- Heat will expand fuel in the tank which could result in spillage and possible fire explosion.

- Keep maximum fuel level 1/2" (12.7 mm) below bottom of filler neck to allow for expansion.

- Operating the pressure washer in an explosive environment could result in a fire.
- Operate and fuel equipment in well-ventilated areas free from obstructions. Equip areas with fire extinguisher suitable for gasoline fires.

- Materials placed against or near the pressure washer can interfere with its proper ventilation features causing overheating and possible ignition of the materials.
- Never operate pressure washer in an area containing dry brush or weeds.

- Muffler exhaust heat can damage painted surfaces, melt any material sensitive to heat (such as siding, plastic, rubber, vinyl or the pressure hose, itself), and damage live plants.
- Always keep pressure washer a minimum of 4' (1.2 m) away from surfaces (such as houses, automobiles or live plants) that could be damaged from muffler exhaust heat.

- Improperly stored fuel could lead to accidental ignition. Fuel improperly secured could get into the hands of children or other unqualified persons.
- Store fuel in an OSHA-approved container, in a secure location away from work area.

- Use of acids, toxic or corrosive chemicals, poisons, insecticides, or any kind of flammable solvent with this product could result in serious injury or death.
- Do not spray flammable liquids.



⚠ DANGER: RISK TO BREATHING (ASPHYXIATION)

WHAT CAN HAPPEN

- Breathing exhaust fumes will cause serious injury or death! Engine exhaust contains carbon monoxide, an odorless and deadly gas.

HOW TO PREVENT IT

- Operate pressure washer in a well-ventilated area. Avoid enclosed areas such as garages, basements, etc.
- Never operate unit in a location occupied by humans or animals.

⚠ DANGER: RISK TO BREATHING (ASPHYXIATION) CONTINUED

- Some cleaning fluids contain substances which could cause injury to skin, eyes or lungs.
- Use only cleaning fluids specifically recommended for high-pressure washers. Follow manufacturers recommendations. Do not use chlorine bleach or any other corrosive compound.



⚠ DANGER: RISK OF FLUID INJECTION AND LACERATION

WHAT CAN HAPPEN

- Your pressure washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in amputation or other serious injury. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. **DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT!** See a physician immediately!

HOW TO PREVENT IT

- Inspect the high-pressure hose regularly. Replace the hose immediately if it is damaged, worn, has melted from contacting the engine, or shows any signs of cracks, bubbles, pinholes, or other leakage. Never grasp a high-pressure hose that is leaking or damaged.
- Never touch, grasp or attempt to cover a pinhole or similar water leak on the high-pressure hose. The stream of water IS under high pressure and WILL penetrate skin.
- Never place hands in front of nozzle.
- Direct spray away from self and others.
- Make sure hose and fittings are tightened and in good condition. Never hold onto the hose or fittings during operation.

- Do not allow hose to contact muffler.
- Never attach or remove wand or hose fittings while system is pressurized.
- When using replacement lances or guns with this pressure washer, DO NOT use a lance and/or lance/gun combination that is shorter in length than what was provided with this pressure washer as measured from the nozzle end of the lance to the gun trigger.

- Injuries can result if system pressure is not reduced before attempting maintenance or disassembly.
- To relieve system pressure, shut off engine, turn off water supply and pull gun trigger until water stops flowing.
- Use only accessories rated equal to or higher than the rating of the pressure washer.



⚠ DANGER: RISK OF INJURY FROM SPRAY

WHAT CAN HAPPEN

- High-velocity fluid spray can cause objects to break, propelling particles at high speed.

HOW TO PREVENT IT

- Always wear ANSI-approved Z87.1 safety glasses. Wear protective clothing to protect against accidental spraying.
- Never point wand at or spray people or animals.
- Always secure trigger lock when wand is not in service to prevent accidental operation.
- Never permanently secure trigger in pull-back (open) position.

- Light or unsecured objects can become hazardous projectiles.



⚠ DANGER: RISK OF UNSAFE OPERATION
WHAT CAN HAPPEN **HOW TO PREVENT IT**

- Unsafe operation of your pressure washer could lead to serious injury or death to you or others.
- Do not use chlorine bleach or any other corrosive compound.
- Become familiar with the operation and controls of the pressure washer.
- Keep operating area clear of all persons, pets and obstacles.
- Do not operate the product when fatigued or under the influence of alcohol or drugs. Stay alert at all times.
- Never defeat the safety features of this product.
- Do not operate machine with missing, broken or unauthorized parts.
- Never leave wand unattended while unit is running.

English

- If proper starting procedure is not followed, engine can kickback causing serious hand and arm injury.
- If engine does not start after two pulls, squeeze trigger of gun to relieve pump pressure. Pull starter cord slowly until resistance is felt. Then pull cord rapidly to avoid kickback and prevent hand or arm injury.
- The spray gun/wand is a powerful cleaning tool that could look like a toy to a child.
- Keep children away from the pressure washer at all times.
- Reactive force of spray will cause gun/wand to kickback, and could cause the operator to slip or fall or misdirect the spray. Improper control of gun/wand can result in injuries to self and others.
- Do not overreach or stand on an unstable support.
- Do not use pressure washer while standing on a ladder.
- Grip gun/wand firmly with both hands. Expect the gun to kickback when triggered.



**⚠ DANGER: RISK OF INJURY OR PROPERTY DAMAGE
WHEN TRANSPORTING OR STORING**

WHAT CAN HAPPEN

- Fuel or oil can leak or spill and could result in fire or breathing hazard. Serious injury or death can result. Fuel or oil leaks will damage carpet, paint or other surfaces in vehicles or trailers.
- Oil could fill the cylinder and damage the engine if the unit is not stored or transported in an upright position.

HOW TO PREVENT IT

- If pressure washer is equipped with a fuel shut-off valve, turn the valve to the OFF position before transporting to avoid fuel leaks. If pressure washer is not equipped with a fuel shut-off valve, drain the fuel from tank before transporting. Only transport fuel in an OSHA-approved container.
Always place pressure washer on a protective mat when transporting to protect against damage to vehicle from leaks. Always transport and store unit in an upright position. Remove pressure washer from vehicle immediately upon arrival at your destination.



⚠ WARNING: RISK OF BURSTING

WHAT CAN HAPPEN

- Over inflation of tires could result in serious injury and property damage.

HOW TO PREVENT IT

- Use a tire pressure gauge to check the tires pressure before each use and while inflating tires; see the tire sidewall for the correct tire pressure.
NOTE: Air tanks, compressors and similar equipment used to inflate tires can fill small tires similar to these very rapidly. Adjust pressure regulator on air supply to no more than the rating of the tire pressure. Add air in small increments and frequently use the tire gauge to prevent over inflation.

- High-velocity fluid spray directed at pneumatic tire sidewalls (such as found on automobiles, trailers and the like) could damage the sidewall resulting in serious injury.
- On pressure washers rated above 1600 psi (110 Bar) use the widest fan spray (40° nozzle) and keep the spray a minimum of 8" (20 cm) from the pneumatic tire sidewall. Do not aim spray directly at the joint between the tire and rim.



⚠ WARNING: RISK OF HOT SURFACES

WHAT CAN HAPPEN	HOW TO PREVENT IT
• Contact with hot surfaces, such as engines exhaust components, could result in serious burn.	• During operation, touch only the control surfaces of the pressure washer. Keep children away from the pressure washer at all times. They may not be able to recognize the hazards of this product.



⚠ WARNING: RISK OF CHEMICAL BURN	
WHAT CAN HAPPEN	HOW TO PREVENT IT
• Use of acids, toxic or corrosive chemicals, poisons, insecticides, or any kind of flammable solvent with this product could result in serious injury or death.	• Do not use acids, gasoline, kerosene, or any other flammable materials in this product. Use only household detergents, cleaners and degreasers recommended for use in pressure washers. • Wear protective clothing to protect eyes and skin from contact with sprayed materials.



⚠ WARNING: RISK OF ELECTRICAL SHOCK	
WHAT CAN HAPPEN	HOW TO PREVENT IT
• Spray directed at electrical outlets or switches, or objects connected to an electrical circuit, could result in a fatal electrical shock.	• Unplug any electrically operated product before attempting to clean it. Direct spray away from electric outlets and switches.



⚠ WARNING: RISK OF INJURY FROM LIFTING

WHAT CAN HAPPEN

- Serious injury can result from attempting to lift too heavy an object.

HOW TO PREVENT IT

- The pressure washer is too heavy to be lifted by one person. Obtain assistance from others before lifting.

CAUTION: RISK OF PROPERTY DAMAGE

WHAT CAN HAPPEN

- Improperly connected electrical components may cause electrical sparking, resulting in damage to the unit.

HOW TO PREVENT IT

- Make sure all connectors and electrical wires are properly connected.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

Important Safety Instructions for All Battery Packs

An 18V DEWALT battery pack is used to start these units using the electric start feature. When ordering replacement battery packs, be sure to include catalog number and voltage. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

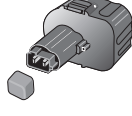
The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedures outlined.

READ ALL INSTRUCTIONS

- **Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.
- **NEVER force battery pack into charger. DO NOT modify battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.** Consult the chart at the end of this manual for compatibility of batteries and chargers.
- *Charge the battery packs only in DEWALT chargers.*
- **DO NOT splash or immerse in water or other liquids.**
- **Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 105°F (40°) (such as outside sheds or metal buildings in summer).**

⚠ DANGER: Electrocutation hazard. Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocutation may result. Damaged battery packs should be returned to service center for recycling.

NOTE: Battery storage and carrying caps are provided for use whenever the battery is out of the tool or charger. Remove cap before placing battery in charger or tool.



⚠ WARNING: Fire hazard. Do not store or carry battery so that metal objects can contact exposed battery terminals. For example, do not place battery in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc. without battery cap. **Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand**

tools and the like. The US Department of Transportation Hazardous Material Regulations (HMR) actually prohibit transporting batteries in commerce or on airplanes (i.e., packed in suitcases and carry-on luggage) **UNLESS** they are properly protected from short circuits. So when transporting individual batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

SPECIFIC SAFETY INSTRUCTIONS FOR NICKEL CADMIUM (NiCd) OR NICKEL METAL HYDRIDE (NiMH)

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire.
- **A small leakage of liquid from the battery pack cells may occur under extreme usage or temperature conditions.** This does not indicate a failure.
However, if the outer seal is broken:
 - a. and the battery liquid gets on your skin, immediately wash with soap and water for several minutes.
 - b. and the battery liquid gets into your eyes, flush them with clean water for a minimum of 10 minutes and seek immediate medical attention. *(Medical note: The liquid is 25-35% solution of potassium hydroxide.)*

SPECIFIC SAFETY INSTRUCTIONS FOR LITHIUM ION (LI-ION)

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is

English

needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.

- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.

⚠ WARNING: Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

The RBRC™ Seal

The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the nickel cadmium, nickel metal hydride or lithium ion batteries (or battery packs) indicate that the costs to recycle these batteries (or battery packs) at the end of their useful life have already been paid by DEWALT. In some areas, it is illegal to place spent nickel cadmium, nickel metal hydride or lithium ion batteries in the trash or municipal solid waste stream and the RBRC program provides an environmentally conscious alternative.



RBRC™ in cooperation with DEWALT and other battery users, has established programs in the United States and Canada to facilitate the collection of spent nickel cadmium, nickel metal hydride or lithium ion batteries. Help protect our environment and conserve natural resources by returning the spent nickel cadmium and nickel cadmium, nickel metal hydride or lithium ion batteries to an authorized DEWALT service center or to your local retailer for recycling. You may also contact your local recycling center for information on where to drop off the spent battery.

RBRC™ is a registered trademark of the Rechargeable Battery Recycling Corporation.

Important Safety Instructions for all Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for battery chargers.

- Before using charger, read all instructions and cautionary markings on charger, battery pack, and product using battery pack.
- ▲ DANGER: Electrocuton hazard. 120 volts are present at charging terminals. Do not probe with conductive objects. Electric shock or electrocuton may result.
- ▲ WARNING: Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.
- ▲ CAUTION: Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
- ▲ CAUTION: Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.
- DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual. The charger and battery pack are specifically designed to work together.
- These chargers are not intended for any uses other than charging DEWALT rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocuton.
- Do not expose charger to rain or snow.

- Pull by plug rather than cord when disconnecting charger. This will reduce risk of damage to electric plug and cord.
- Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not use an extension cord unless it is absolutely necessary. Use of improper extension cord could result in risk of fire, electric shock, or electrocuton.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety. The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension contains at least total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Recommended Minimum Wire Size for Extension Cords

Total Length of Cord					
25 ft.	50 ft.	75 ft.	100 ft.	125 ft.	150 ft.
7.6 m	15.2 m	22.9 m	30.5 m	38.1 m	45.7 m

Wire Size AWG

18	18	16	16	14	14	12
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- Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat. Place the charger

in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.

- **Do not operate charger with damaged cord or plug.**
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorized service center.
- **Do not disassemble charger; take it to an authorized service center when service or repair is required.** Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- **Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.** Removing the battery pack will not reduce this risk.
- **NEVER attempt to connect 2 chargers together.**
- **The charger is designed to operate on standard 120V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.

Using Automatic Tune-Up™ Mode

The automatic Tune-Up™ Mode equalizes or balances the individual cells in the battery pack allowing it to function at peak capacity. Battery packs should be tuned up weekly or after 10 charge/discharge cycles or whenever the pack no longer delivers the same amount of work. To use the automatic Tune-Up™, place the battery pack in the charger and leave it for at least 8 hours. The charger will cycle through the following modes.

1. The red light will blink continuously indicating that the 1-hour charge cycle has started.
2. When the 1-hour charge cycle is complete, the light will stay on continuously and will no longer blink. This indicates that the pack is fully charged and can be used at this time.
3. If the pack is left in the charger after the initial 1-hour charge, the charger will begin the Automatic Tune-Up mode. This mode

continues up to 8 hours or until the individual cells in the battery pack are equalized. The battery pack is ready for use and can be removed at any time during the Tune-Up mode.

4. Once the Automatic Tune Up mode is complete, the charger will begin a maintenance charge; the red indicator will remain lit.

Chargers

Your tool uses a DEWALT 7.2, 9.6, 12, 14.4, 18 Volt charger. Be sure to read all safety instructions before using your charger. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

Charging Procedure

⚠ DANGER: Electrocution hazard. 120 volts present at charging terminals. Do not probe with conductive objects. Danger of electric shock or electrocution.

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Insert the battery pack into the charger. The red (charging) light will blink continuously indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.

Indicator Light Operation

PACK CHARGING.....

PACK CHARGED.....

HOT/COLD PACK DELAY.....

[illegible]

PROBLEM POWER LINE

Charge Indicators

Some chargers are designed to detect certain problems that can arise with battery packs. Problems are indicated by the red light flashing at a fast rate. If this occurs, re-insert battery pack into the charger. If the problem persists, try a different battery pack to determine if the charger is OK. If the new pack charges correctly, then the original pack is defective and should be returned to a service center or other collection site for recycling. If the new battery pack elicits the same trouble indication as the original, have the charger tested at an authorized service center.

HOT/COLD PACK DELAY

Some chargers have a Hot/Cold Pack Delay feature: when the charger detects a battery that is hot, it automatically starts a Hot Pack Delay, suspending charging until the battery has cooled. After the battery has cooled, the charger automatically switches to the Pack Charging mode. This feature ensures maximum battery life. The red light flashes long, then short while in the Hot Pack Delay mode.

PROBLEM POWER LINE

Some chargers have a Problem Power Line indicator. When the charger is used with some portable power sources such as generators or sources that convert DC to AC, the charger may temporarily suspend operation, **flashing the red light with two fast blinks followed by a pause**. This indicates the power source is out of limits.

LEAVING THE BATTERY PACK IN THE CHARGER

The charger and battery pack can be left connected with the red light glowing indefinitely. The charger will keep the battery pack fresh and fully charged.

NOTE: A battery pack will slowly lose its charge when kept out of the charger. If the battery pack has not been kept on maintenance charge, it may need to be recharged before use. A battery pack may also slowly lose its charge if left in a charger that is not plugged into an appropriate AC source.

WEAK BATTERY PACKS: Chargers can also detect a weak battery pack. Such batteries are still usable but should not be expected to perform as much work. The charger will indicate to replace battery pack.

Important Charging Notes

1. Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65°F and 75°F (18°- 24°C). DO NOT charge the battery pack in an air temperature below +40°F (+4.5°C), or above +105°F (+40.5°C). This is important and will prevent serious damage to the battery pack.
2. The charger and battery pack may become warm to touch while charging. This is a normal condition, and does not indicate a problem. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed, or an uninsulated trailer.
3. If the battery pack does not charge properly:
 - a. Check current at receptacle by plugging in a lamp or other appliance
 - b. Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
 - c. Move charger and battery pack to a location where the surrounding air temperature is approximately 65°F - 75°F (18°- 24°C).

d. If charging problems persist, take the tool, battery pack and charger to your local service center.

4. The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. **DO NOT CONTINUE** to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse affect on the battery pack.

5. Under certain conditions, with the charger plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

6. Do not freeze or immerse charger in water or any other liquid.

⚠ WARNING: Shock hazard. Don't allow any liquid to get inside charger. Electric shock may result.

⚠ CAUTION: Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service center for recycling.

Storage Recommendations

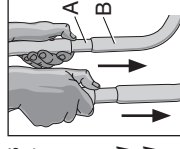
1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold.
2. Long storage will not harm the battery pack or charger. Under proper conditions, they can be stored for 5 years or more.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

INSTALLATION

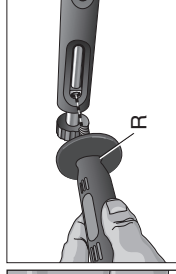
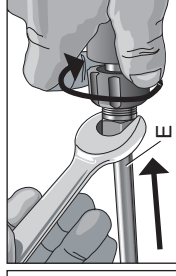
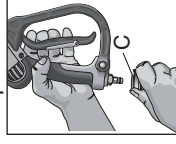
Pressure Washer Assembly (Fig. 1)

1. Place handle assembly (A) onto frame, depress the snap buttons, and slide the handle assembly onto the frame (B) until snap buttons are secured in place.



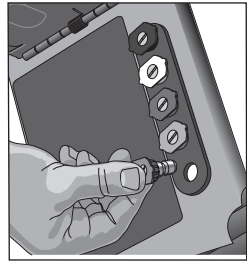
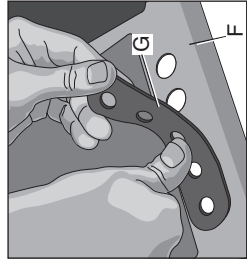
⚠ CAUTION: Risk of personal injury. Avoid placing hands between handle and frame when assembling to prevent pinching.

2. Attach high-pressure hose (C) to quick connect spray gun.
3. Connect quick connect spray wand (E) to spray gun.
4. Thread the side handle (R) into spray gun and tighten to desired position.



5. Place the nozzle holder (G) onto the panel assembly (F) and push each nozzle holder into place.

English



6. Remove the five colored quick-connect nozzles from the plastic bag and insert them into correct grommet on the nozzle holder. Nozzles are color coded to match colored nozzles on panel assembly.

NOTE: The high-pressure pump was filled with oil at the factory. Always check oil level before using (refer to **Maintenance** for more information).

⚠WARNING: Risk of bursting. Use a tire pressure gauge to check the tires pressure before each use and while inflating tires; see the tire sidewall for the correct tire pressure.

NOTE: Air tanks, compressors and similar equipment used to inflate tires can fill small tires similar to these very rapidly. Adjust pressure regulator on air supply to no more than the rating of the tire pressure. Add air in small increments and frequently use the tire gauge to prevent over inflation.

OPERATION

Pressure Adjustments

The pressure setting is preset at the factory to achieve optimum pressure and cleaning. To lower the pressure, follow these instructions.

1. Back away from the surface to be cleaned. The further away you are, the less the pressure will be on the surface to be cleaned.

2. Change to the 40° nozzle (white). This nozzle delivers a less powerful stream of water and a wider spray pattern. Refer to **Spray Wand Nozzles**.

CAUTION: DO NOT attempt to increase pump pressure. A higher pressure setting than the factory set pressure may damage pump.

Spray Wand Nozzles (Fig. 1)

The nozzles for the spray wand are stored in the nozzle holder (G) on the panel assembly (F). Colors on the panel identify nozzle location and spray pattern. Refer to the following chart to choose the correct nozzle for the job to be performed.

Nozzle Color	Spray Pattern	Uses	Surfaces*
Red		powerful pinpoint for very intense cleaning	metal or concrete; DO NOT use on wood
Yellow		intense cleaning of small areas	metal, concrete or wood
Green		intense cleaning of larger areas	metal, concrete or wood
White		covers wide areas of cleaning	metal, concrete, wood or vinyl

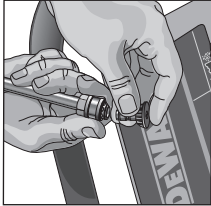
Nozzle Color	Spray Pattern	Uses	Surfaces*
Black	low pressure 	applies cleaning solutions	metal, concrete, wood or vinyl
* CAUTION: The high-pressure spray from your pressure washer is capable of causing damage to surfaces such as wood, glass, automobile paint, auto striping and trim, delicate objects such as flowers and shrubs. Before spraying, check the item to be cleaned to assure yourself that it is strong enough to resist damage from the force of spray.			

CHANGING NOZZLES ON SPRAY WAND

⚠ DANGER: Risk of fluid injection. Do not direct discharge stream toward persons, unprotected skin, eyes or any pets or animals. Serious injury will occur.

⚠ WARNING: Flying objects could cause risk of serious injury. **DO NOT** attempt to change nozzles while pressure washer is running. Turn engine off before changing nozzles.

1. Pull quick-connect coupler back and insert nozzle.
 2. Release quick-connect coupler and twist nozzle to make sure it is secure in coupler.
- ⚠ WARNING:** Flying object could cause risk of serious injury. Ensure nozzle is completely inserted in quick-connect socket and quick-connect snap ring is fully engaged (forward) before squeezing gun trigger.



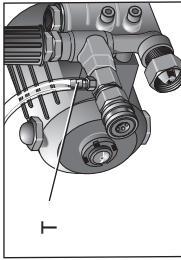
Chemicals and Cleaning Solvents

Applying chemicals or cleaning solvents is a low-pressure operation.

NOTE: Use only soaps and chemicals designed for pressure washer use. **Do not use bleach.**

TO APPLY CHEMICALS AND SOLVENTS

1. Press chemical hose (T) onto barbed fitting located near high pressure hose connection of pump as shown.
2. Place the other end of chemical hose with filter on it into the container holding chemical/cleaning solution.



NOTE: For every 7 gallons (26.5 liters) of water pumped 1 gallon (3.8 liters) of chemical/cleaning solution will be used.

3. Install low-pressure (black) nozzle into quick connect fitting of spray wand, refer **Spray Wand Nozzles**.

4. After use of chemicals, place chemical hose into container of clean water and draw clean water through chemical injection system to rinse system thoroughly. If chemicals remain in the pump it could be damaged. Pumps damaged due to chemicals will not be covered under warranty.

NOTE: Chemicals and soaps will not siphon when spray wand is in the high-pressure setting.

Starting

⚠ WARNING: To reduce the risk of injury, read the pressure washer instruction manual and the engine instruction manual before starting pressure washer.

⚠ DANGER: Risk of fluid injection and laceration. When using the high-pressure setting, **DO NOT** allow the high-pressure spray to come in contact with unprotected skin, eyes, or with any pets or animals. Serious injury will occur.

English

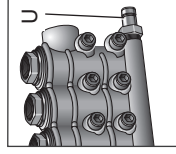
- Your washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in amputation or other serious injury. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. **DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT!** See a physician immediately!

⚠ WARNING: Risk of fire, asphyxiation and burning. **NEVER** fill fuel tank when engine is running or hot. Do not smoke when filling fuel tank.

- **NEVER** fill fuel tank completely. Fill tank to 1/2" (12.7 mm) below bottom of filler neck to provide space for fuel expansion. Wipe any fuel spillage from engine and equipment before starting engine.
- **NEVER** run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
- **DO NOT** let hoses come in contact with very hot engine muffler during or immediately after use of your pressure washer. Damage to hoses from contact with hot engine surfaces will **NOT** be covered by warranty.

CAUTION: **NEVER** pull water supply hose to move pressure washer. This could damage hose and/or pump inlet.

- **DO NOT** use hot water, use cold water only.
- **NEVER** turn water supply off while pressure washer engine is running or damage to pump will result.
- **DO NOT** stop spraying water for more than two minutes at a time. Pump operates in bypass mode when spray gun trigger is not pressed. When the temperature inside the pump rises too high the thermal relief valve (U) will open and release a gush of water in an effort to lower the temperature inside the pump. The thermal relief valve will then close. If pump is left in bypass mode for more than two minutes internal components of the pump can be damaged.



START-UP PROCEDURE

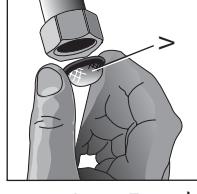
1. In a well-ventilated outdoor area, add fresh, high-quality, unleaded gasoline with a pump octane rating of 86 or higher. Do not overfill. Wipe up spilled fuel before starting the engine. Refer to engine instruction manual for correct procedure.

2. Check engine oil level. Refer to the engine instruction manual for correct procedure.

3. Connect the water hose to the water source. Turn the water source on to remove all air from the hose. When a steady stream of water is present, turn the water source off.

4. Verify the filter screen (V) is in water inlet of pump. The cone side faces out.

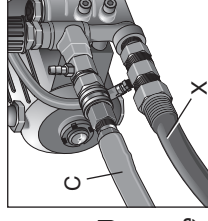
5. Connect the cold water source (X) to pump inlet.



NOTE: Water source must provide a minimum of 5 gallons per minute at 20 PSI.

⚠ WARNING: To reduce the possibility of contamination always protect against backflow when connected to a potable water system.

6. Connect high-pressure hose (C) to pump outlet.



7. If applying a chemical or cleaning solution, refer to **Chemicals and Cleaning Solvents**.

8. Turn the water source on.

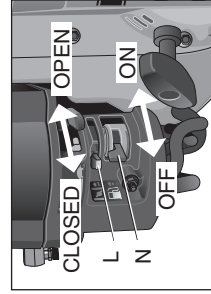
CAUTION: Risk of property damage. Failure to do so could cause damage to the pump.

9. Remove all air from the pump and high pressure hose by depressing trigger until a steady stream of water is present.

10. Prepare engine for first time use, see engine's instruction manual for correct procedure.

English

11. Place the fuel valve lever (N) in the ON position.



12. If the engine is cold, move the choke (L) to the CLOSED position as shown. If the engine is hot, move the choke to the OPEN position.

⚠ WARNING: Risk of unsafe operation. If engine does not start after two pulls, squeeze trigger of gun to relieve pump pressure. Pull starter cord slowly until resistance is felt. Then pull cord rapidly to avoid kickback and prevent hand or arm injury.

13. Recoil Start:

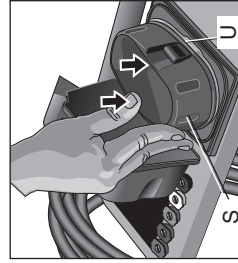
- Turn the engine START/RUN/OFF switch (O) to the RUN position.
- ⚠ WARNING:** Risk of unsafe operation. Pull starter grip slowly until resistance is felt. Then pull starter grip (M) rapidly to avoid kickback and prevent hand or arm injury.

NOTE: Do not allow the starter grip to snap back. Return it gently by hand.

⚠ WARNING: Risk of unsafe operation. If engine does not start after two tries, squeeze trigger of gun to relieve pump pressure before trying again.

Electric Start

- Remove cap from 18V battery pack (S) and plug battery power pack into battery receptacle. Press down on battery above battery snaps (U) one side at a time until snaps are heard. Battery MUST be snapped in place. **NOTE:** Make sure your battery pack is fully charged. See **Charger Procedure** for charging procedure.



- Place engine START/RUN/OFF switch (O) in the START position and hold until the engine starts.

NOTE: Do not hold the switch in the START position for more than 5 seconds. If the engine does not start, wait 10 seconds before retrying. Failure to follow these instructions may result in damage to the starter motor due to overheating.

- When the engine starts, release the engine switch allowing it to return to the RUN position.

NOTE: Do not turn the engine switch to the START position while the engine is running.

NOTE: If the oil level in the engine is low, the engine will not start. If the engine does not start, check the oil level and add oil as needed.

NOTE: To ensure maximum oil lubrication, place the unit on a level surface.

- As the engine warms up, move the choke to the OPEN position.

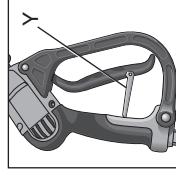
- Depress trigger on gun to start water flow.

⚠ WARNING: Risk of unsafe operation. Stand on a stable surface and grip gun/wand firmly with both hands. Expect the gun to kickback when triggered.

- Release trigger to stop water flow.

⚠ DANGER: Risk of injury from spray. Engage the trigger lock (Y) when gun is not in use to prevent accidental spraying.

- Adjust spray for the task being performed by changing quick connect nozzle. Refer to **Spray Wand Nozzles**.



Shutting Down

1. Place the engine START/RUN/OFF switch (O) to the OFF Position.
2. Place the fuel valve lever (N) in the OFF position.
3. If chemicals were applied, place the chemical hose into a container of clean water and draw clean water through chemical injection system to rinse system thoroughly.

CAUTION: Risk of property damage Failure to do so could cause damage to the pump.

4. Turn engine off. Refer to the engine instruction manual.

CAUTION: Risk of property damage. NEVER turn water supply off while pressure washer engine is running or damage to pump will result.

5. Turn water source off.
6. Pull trigger on spray gun to relieve any water pressure in hose or spray gun.
7. Refer to **Storage** for proper storage procedures.

MAINTENANCE

⚠ WARNING: Risk of burning. When performing maintenance, you may be exposed to hot surfaces, water pressure or moving parts that can cause serious injury or death.

⚠ WARNING: Risk of fire. Always disconnect spark plug wire, let the engine cool and release all water pressure before performing any maintenance or repair. The engine contains flammable fuel. Do not smoke or work near open flames while performing maintenance.

⚠ WARNING: To reduce the risk of serious personal injury, turn tool off and and remove battery pack before making any adjustments or removing/installing attachments or accessories.

To ensure efficient operation and longer life of your pressure washer, a routine maintenance schedule should be prepared and followed. If the pressure washer is used in unusual conditions, such as high temperatures or dusty conditions, more frequent maintenance checks will be required.

Engine

Consult the engine instruction manual for the manufacturer's recommendations for any and all maintenance.

NOTE: The pressure washer frame is equipped with an oil drain hole to help make changing the engine oil easier.

Pump

NOTE: The pump was filled with oil at the factory.

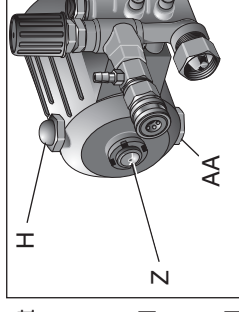
1. Change pump oil after the first 10 hours of operation and every 250 hours thereafter.

TO CHECK OIL

1. The oil level should come to the dot in the middle of the sight glass (Z).

HOW TO CHANGE PUMP OIL

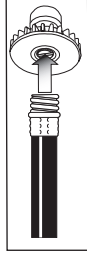
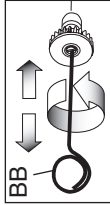
1. Loosen pump oil plug (H).
2. Place a container under the oil drain plug (AA).
3. Remove pump oil drain plug.
4. After oil is drained, replace oil drain plug. Tighten securely.
5. Remove pump oil plug and fill with 14 oz. (414 ml) of DP70 pump oil. If DP70 is not available use 30W non-detergent oil.
6. Replace pump dipstick/oil plug and tighten securely.



Nozzle Cleaning

If the nozzle becomes clogged with foreign materials, such as dirt, excessive pressure may develop. If the nozzle becomes partially clogged or restricted, the pump pressure will pulsate. Clean the nozzle immediately using the nozzle kit supplied and the following instructions:

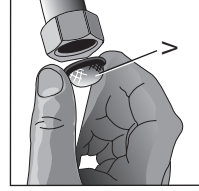
1. Shut off the pressure washer and turn off the water supply.
2. Pull trigger on gun handle to relieve any water pressure.
3. Disconnect the spray wand from the gun.
4. Remove the high-pressure nozzle from the spray wand. Remove any obstructions with the nozzle cleaning tool (BB) provided and back flush with clean water.
5. Direct water supply into spray wand to back flush loosened particles for 30 seconds.
6. Reassemble the nozzle to the wand.
7. Reconnect spray wand to gun then turn on water supply.
8. Start pressure washer and place spray wand into high pressure setting to test.



To Clean the Water Inlet Filter

This filter screen (V) should be checked periodically and cleaned if necessary.

1. Remove the filter screen (V) by grasping the end and removing it from water inlet of pump.
2. Clean filter by flushing it with water on both sides.
3. Reinsert filter into water inlet of pump. Cone side faces out.



NOTE: Do not operate pressure washer without filter properly installed.

To Remove Tires

1. Using a 1/8" hex head wrench loosen set screw in hub collar.
2. Slide hub collar from axle and remove the tire.



Battery Pack and Charger

CHARGER CLEANING INSTRUCTIONS

⚠ WARNING: Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

STORAGE

Engine

Consult the engine instruction manual for the manufacturer's recommendations for storage.

Pump

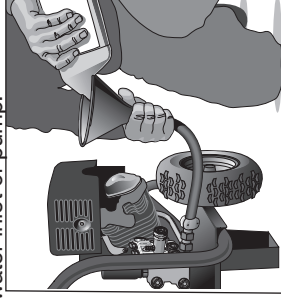
The manufacturer recommends using a pump protector/winterizer, such as DP80 when storing the unit for more than 30 days and/or when freezing temperatures are expected. DP80 is available at the store where the pressure washer was purchased. If a pump protector/winterizer is not available, RV antifreeze needs to be run through the pump as outlined in the steps below.

NOTE: Using a pump protector/ winterizer, RV antifreeze is to provide proper lubrication to the internal seals of the pump regardless of temperature or environment.

1. Obtain a funnel, 6 oz. (170 mL) of RV antifreeze, and 16–36" (40–91cm) of garden hose with a male hose connector attached to one end.

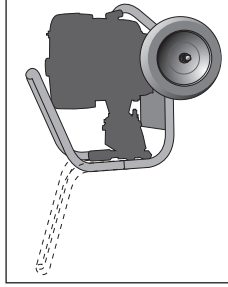
CAUTION: Risk of property damage. Use only RV antifreeze. Any other antifreeze is corrosive and can damage pump.

2. Disconnect spark plug wire.
3. Connect length of garden hose to water inlet of pump.
4. Add RV antifreeze to hose as shown.
5. Pull engine starter rope slowly several times until antifreeze comes out of high-pressure hose connection of pump.
6. Remove garden hose from water inlet of pump.
7. Reconnect spark plug wire.



Pressure Washer

1. Drain all water from high-pressure hose, coil it and store it in cradle of the pressure washer handle.
2. With nozzle pointed down and the spray gun and wand in a vertical position, squeeze trigger to drain all water from spray gun and wand. Store in gun holder.
3. Store chemical hose so it is protected from damage.
4. If space is needed, handles may be removed and attached as shown.

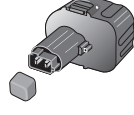


⚠CAUTION: Risk of personal injury. Avoid placing hands between handle and frame when assembling to prevent pinching.

CAUTION: Risk of property damage. Always store and transport unit in an upright position.

Battery Pack

NOTE: Battery storage and carrying caps are provided for use whenever the battery is out of the tool or charger. Make sure storage and carrying caps are in place when storing battery pack. See **Important Safety Instructions for Battery Pack**.



ACCESSORIES

Recommended accessories for use with your tool are available for purchase from your local dealer or authorized service center. If you need assistance in locating any accessory for your tool, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Baltimore, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website www.dewalt.com.

⚠DANGER: Risk of fluid injection. When using replacement lances or guns with this pressure washer, DO NOT use a lance and/or lance/gun combination that is shorter in length than what was provided with this pressure washer as measured from the nozzle end of the lance to the gun trigger.

⚠CAUTION: The use of any other accessory not recommended for use with this tool could be hazardous. Use only accessories rated equal to or higher than the rating of the pressure washer.

SERVICE INFORMATION

Please have the following information available for all service calls:

Model Number _____ Serial Number _____
Date and Place of Purchase _____

Repairs

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by a DEWALT factory service center, a DEWALT authorized service center or other qualified service personnel. Always use identical replacement parts.

Limited Warranty

This DEWALT pressure washer is warranted for three years from date of purchase. DEWALT will repair, without charge, any defects due to faulty materials or workmanship. This warranty does not cover parts that are damaged through misuse or abuse, or parts which must be replaced from time to time due to normal pressure washer operation. Normal wear parts include, but are not limited to, the engine air filter, spark plug, pump valve seals and O rings. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by a repair center not authorized by DEWALT. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces. For further details of warranty coverage and warranty repair information, visit www.dewalt.com and click on Service and Support or call 1-800-4-DEWALT (1-800-433-9258).

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained either in the packaging, call the local company or see website for warranty information.

English

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-4-DEWALT for a free replacement.

1 RISK OF FIRE OR EXPLOSION. SHUT OFF ENGINE BEFORE ADDING FUEL. KEEP WORK AREA FREE OF COMBUSTIBLE MATERIALS. DO NOT SPRAY FLAMMABLE LIQUIDS.

2 TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND INSTRUCTION MANUAL, STORE IN DOORS, AND CAUSE SERIOUS INJURY REQUIRING IMMEDIATE MEDICAL TREATMENT.

3 RISK OF SPRAY INJURY. SPRAY CAN PROPEL OBJECTS. ALWAYS WEAR EYE PROTECTION. NEVER DIRECT SPRAY TOWARD ANY ELECTRICAL DEVICE OR ELECTRICAL OUTLET.

4 RISK OF BREATHING. ENGINE EXHAUST FUMES CAN CAUSE DEATH. FOR OUTDOOR USE ONLY. WORK IN A WELL VENTILATED AREA.

5 RISK OF UNSAFE OPERATION. KEEP CHILDREN AWAY FROM THIS EQUIPMENT. GUN ROCKS BACK - HOLD WITH BOTH HANDS. ALWAYS POINT GUN AWAY FROM YOURSELF AND OTHERS. EXHAUST COMPONENTS. ONLY ALLOW HOSES TO CONTACT THE HOT ENGINE MUFFLER DURING OR AFTER USE.

6 RISK OF INJURY. MOVING PART. DO NOT OPERATE WITH COVER REMOVED. RISK OF THE BURSTING. INFLATE TUBES SLOWLY TO RATED PRESSURE MARKED ON THE. READ INSTRUCTION MANUAL. RISK OF INJURY. CHECK HIGH PRESSURE HOSE PRIOR TO EACH USE. IF CONNECTION IS MADE TO POTABLE WATER SYSTEM, THE SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW.

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DEWALT

3800 PSI MAX 4.0 GPM MAX DPE3800

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3 RISK OF SPRAY INJURY. SPRAY CAN PROPEL OBJECTS. ALWAYS WEAR EYE PROTECTION. NEVER DIRECT SPRAY TOWARD ANY ELECTRICAL DEVICE OR ELECTRICAL OUTLET.

4 RISK OF BREATHING. ENGINE EXHAUST FUMES CAN CAUSE DEATH. FOR OUTDOOR USE ONLY. WORK IN A WELL VENTILATED AREA.

5 RISK OF UNSAFE OPERATION. KEEP CHILDREN AWAY FROM THIS EQUIPMENT. GUN ROCKS BACK - HOLD WITH BOTH HANDS. ALWAYS POINT GUN AWAY FROM YOURSELF AND OTHERS. EXHAUST COMPONENTS. ONLY ALLOW HOSES TO CONTACT THE HOT ENGINE MUFFLER DURING OR AFTER USE.

6 RISK OF INJURY. MOVING PART. DO NOT OPERATE WITH COVER REMOVED. RISK OF THE BURSTING. INFLATE TUBES SLOWLY TO RATED PRESSURE MARKED ON THE. READ INSTRUCTION MANUAL. RISK OF INJURY. CHECK HIGH PRESSURE HOSE PRIOR TO EACH USE. IF CONNECTION IS MADE TO POTABLE WATER SYSTEM, THE SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW.

Troubleshooting Guide

This section provides a list of the more frequently encountered malfunctions, their causes and corrective actions. The operator or maintenance personnel can perform some corrective actions, and others may require the assistance of a qualified DeWALT technician or your dealer.

Problem	Code
Engine will not start	1, 2, 3, 4, 5, 6, 7, 8, 36, 37 38
(refer to the engine's instruction manual for further engine troubleshooting)	
No or low pressure (initial use)	9, 10, 11, 12, 13, 14, 15, 16
Will not draw chemicals	16, 17, 18, 19, 20, 21
No or low pressure (after period of normal use)	22, 23, 24
Water leaking at gun/spray wand connection	25, 26
Water leaking at pump	25, 26, 27, 28
Oil leaking at pump	29, 30, 31, 32, 33, 34, 35
Pump Pulsates	12

Troubleshooting Codes

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
1	No fuel.	Add fuel.
2	Low oil.	Add required amount of oil.
3	Pressure builds up after two pulls on the recoil starter or after initial use.	Squeeze gun trigger to relieve pressure.
4	Choke lever in the NO CHOKE position.	Move choke to the CHOKE position.
5	Spark plug wire not attached.	Attach spark plug wire.
6	Engine ON/OFF switch in OFF position.	Place engine ON/OFF switch in ON position.

(Troubleshooting Codes cont.)

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
7	Choke lever in the CHOKE position on a <i>hot</i> engine or an engine that has been exposed to thermal heat for a long period of time.	Move choke to the NO CHOKE position.
8	Fuel valve closed.	Move the fuel valve lever to the OPEN position.
9	Spray wand not in high pressure.	See Spray Wand Nozzles under <i>Operation</i> .
10	Low water supply.	Water supply must be at least 5 GPM @ 20 psi.
11	Leak at high-pressure hose fitting.	Repair leak. Apply sealant tape if necessary.
12	Nozzle obstructed.	See Nozzle Cleaning under <i>Maintenance</i> .
13	Water filter screen clogged.	Remove and clean filter.
14	Air in hose.	Turn off the engine, then the water source. Disconnect the water source from the pump inlet and turn the water source on to remove all air from the hose. When there is a steady stream of water present, turn water source off. Reconnect water source to pump inlet and turn on water source. Squeeze trigger to remove remaining air.
15	Choke lever in the CHOKE position.	Move choke to the NO CHOKE position.
16	High-pressure hose is too long.	Use high-pressure hose under 100 feet (30.48 m). Lengthen water supply hose instead of high-pressure hose.
17	Spray wand not in low pressure.	See Spray Wand Nozzles under <i>Operation</i> .
18	Chemical filter clogged.	Clean filter.
19	Chemical screen not in cleaning solution.	Make sure end of chemical hose is fully submerged into cleaning solution.
20	Chemical too thick.	Dilute chemical. Chemical should be the same consistency as water.
21	Worn seal or packing.	Have parts cleaned or replaced by authorized service center.
22	Chemical build up in chemical injector.	Have replaced by an authorized service center.

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
23	Worn or obstructed valves.	Have replaced by authorized service center.
24	Worn unloader piston.	Have replaced by authorized service center.
25	Worn or broken o-ring.	Check and replace.
26	Loose hose connection.	Tighten.
27	Piston packings worn.	Have replaced by authorized service center.
28	Pump head or tubes damaged from freezing.	Have replaced by authorized service center.
29	Oil seals worn.	Have replaced by authorized service center
30	Loose drain plug.	Tighten.
31	Worn drain plug o-ring	Check and replace.
32	Worn fill plug o-ring.	Check and replace.
33	Pump overfilled.	Check for correct amount.
34	Incorrect oil used.	Drain and fill with correct amount and type of oil.
35	Vent plug is clogged.	Clean vent plug; blow air through it to remove any blockage. If problem persists, replace plug.
36	Loose wire connection.	Make sure all connectors are properly seated.
37	Battery loose.	Make sure battery is secure in receptacle. Both snaps on battery must lock in place.
38	Battery charge is low.	Recharge battery, refer to <i>Chargers</i> .