



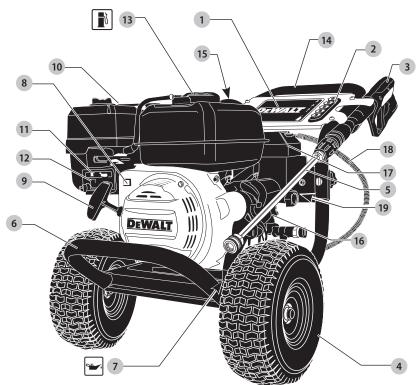
Instruction Manual

Gas Pressure Washer

www.DeWALT.com

If you have questions or comments, contact us.

1-877-362-4271



Components

- 1 Panel assembly
- 2 Nozzle holder
- 3 Professional spray gun
- 4 Wheel
- 5 Quick-connect spray wand
- **6** Frame
- 7 Engine dipstick/oil plug
- 8 Engine switch
- **9** Starter grip
- 10 Engine
- 11 Choke control
- 12 Fuel valve lever
- 13 Gas cap
- 14 Handle assembly
- 15 High pressure hose
- **16** High pressure pump
- 17 Battery box
- 18 Engine start connector
- 19 Water sensing device

NOTE: Photographs and line drawings used in this manual are for reference only and do not represent a specific model.

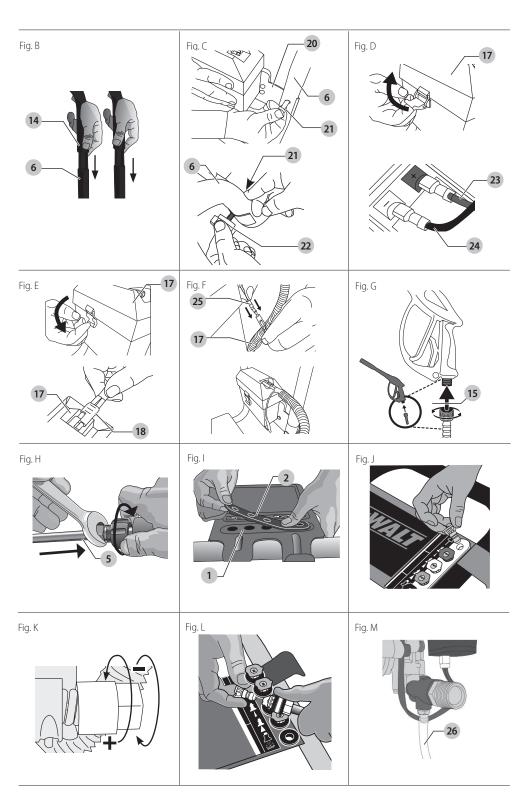


Fig. N

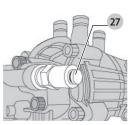
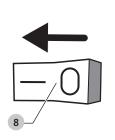


Fig. O

Fig. P

Fig. Q



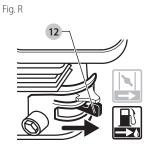


Fig. S



Fig. T

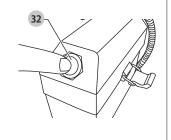


Fig. U



Fig. V



Fig. W

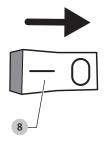
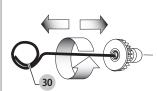
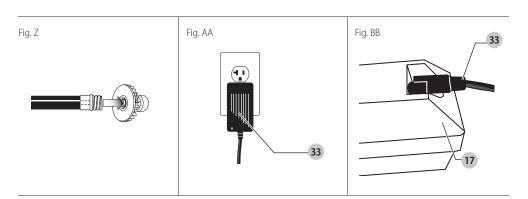


Fig. X



Fig. Y





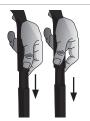
OUICK SETUP GUIDE



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



Place handle onto frame, depress the snap buttons, and slide the handle assembly onto the frame until snap buttons snap into place.



B Attach Battery Box Mounting Bracket

Align the holes in the battery box mounting bracket with the holes in the frame. Push the saddle bolt through the bracket and frame, secure with knob. Tighten knob securely.



C Add/Check Oil

The engine is shipped without oil. Before starting engine, add the oil provided. Check oil level prior to each use. Refer to **Engine Owner's Manual** for complete procedure.



D Add Gasoline

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 Owners Manual** for complete procedure.



IMPORTANT: Ethanol Shield $^{\text{m}}$ (sold separately) is a fuel stabilizer that helps eliminate and prevent ethanol related problems in power equipment. Follow the instructions on the container and add to the gasoline.



DANGER:

- Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an
 odorless and deadly aas.
- 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.



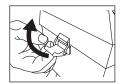
WARNING: Do not allow the unit to run for more than two minutes without the gun trigger being pulled. This could cause overheating and damage to the pump. When the temperature inside the pump rises too high, the thermal relief valve will open and release a spray of water from the pump to lower the internal temperature. The valve will then close.



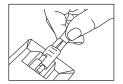
WARNING: To reduce the risk of electric shock or explosion, do not short circuit the battery terminals or charge in a sealed container. Keep sparks and flame away. Do not use metal tools for connections and keep metal objects away from the battery terminals. Metal objects can make a connection from one terminal to another. Shorting the battery terminals together can cause sparks, burns, or a fire.

BATTERY SET UP GUIDE

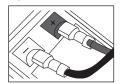
1 Open battery box.



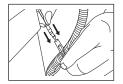
4 Connect the engine start connector to the battery box



Connect the red wire to the "+" (positive) terminal and the black wire to the "-" (negative) terminal.



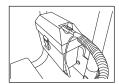
5 Connect the bullet connector to the engine start connector.



Close battery box



6 Complete battery box assembly



QUICK START GUIDE

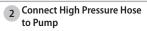
1 Connect Garden Hose to Pump

Thread the garden hose to the pump inlet.



4 Connect Spray Wand to Spray Gun

Thread the spray wand into the end of the spray gun.

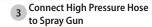


Connect the high pressure hose to the pump outlet.



5 Connect QC Nozzles to Spray Wand

Pull quick connect coupler back and insert nozzle. Release quick connect coupler and twist nozzle to make sure it is secure in coupler.



Thread the other end of the high pressure hose to the spray gun.



Turn Water Faucet
Completely On

Do not run the unit without water supply connected and turned on. Use Cold Water Only.

NOTE: Unit equipped with water sensing device, shuts down machine if the presence of water is not detected.





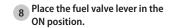


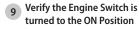


Release all air from pump and high pressure hose by depressing trigger until a steady stream of water is present. Approximately 30 seconds.



Move the choke to the CLOSED position



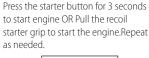




Press the starter button OR pull the Recoil Starter Grip



Move the choke to the OPEN position













WARNING: This Guide is not a substitute for reading the operator's manual. User must read and understand operator's manual before using this product.

Engine

Refer to the engine instruction manual for location and operation of other engine controls.





DO NOT USE FUEL CONTAINING GREATER THAN 10% ETHANDL! N'UTILISEZ PAS UN CARBURANT DONT LA TENEUR EN ÉTHANDL EST SUPÉRIEURE À 10%! ¡NO UTILICE COMBUSTIBLES QUE CONTENGAN MÁS DE 10% DE ETANDL!



WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



WARNING: Never modify the product or any part of it. Damage or personal injury could result.



WARNING: To reduce the risk of injury, read the instruction manual.

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS CONTACT US AT: 1–877–362–4271

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.



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**.



(Used without word) Indicates a safety related message.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

Important Safety Instructions



DANGER: Carbon Monoxide. Using an engine indoors can kill you in minutes. Engine exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. You may be breathing CO even if you do not smell engine exhaust.



WARNING: This product and its exhaust contain chemicals known to the State of California to cause cancer, and birth defects and other reproductive harm.

- NEVER use an engine inside homes, garages, crawlspaces or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.
- ONLY use outdoors and far away from open windows, doors and vents. These openings can pull in engine exhaust.
- Even when the engine is used correctly, CO may leak into your home. ALWAYS use a battery-powered or battery backup CO alarm in your house. Read and follow all directions

for CO alarm before using. If you feel sick, dizzy or weak at anytime, move to fresh air immediately. See a doctor. You could have carbon monoxide poisoning.



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. tay 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.
- 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 can expose you to chemicals including lead and lead compounds, and carbon monoxide, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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.
- Heat will expand fuel in the tank which could result in spillage and possible fire explosion.
- Operating the pressure washer in an explosive environment could result in a fire.
- Materials placed against or near the pressure washer can interfere with its proper ventilation features causing overheating and possible ignition of the materials.
- 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.
- Improperly stored fuel could lead to accidental ignition.
 Fuel improperly secured could get into the hands of children or other ungualified persons.
- 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.

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.
- Keep maximum fuel level 1/2" (12.7 mm) below bottom of filler neck to allow for expansion.
- Operate and fuel equipment in well-ventilated areas free from obstructions. Equip areas with fire extinguisher suitable for gasoline fires.
- Never operate pressure washer in an area containing dry brush or weeds
- 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.
- Store fuel in an OSHA approved container, in a secure location away from work area.
- Do not spray flammable liquids.

 Shorting the battery terminals together may cause burns or a fire. Keep battery away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.



4

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.
- Some cleaning fluids contain substances which could cause injury to skin, eyes or lungs.

- HOW TO PREVENT IT
- Operate pressure washer in a well-ventilated area. Avoid enclosed areas such as garages, basements, etc.
- Never operate unit in or near a location occupied by humans or animals.
- Use only cleaning fluids specifically recommended for high pressure washers. Follow manufacturers recommendations. Do not use chlorine bleach or any other corrosive compound.



A

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.

- Your pressure washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh which could result in amoutation 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!
- 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 triager.
- Injuries can result if system pressure is not reduced before attempting maintenance or disassembly.

(CONTINUED)

- 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, projecting particles at high speed.
- Light or unsecured objects can become hazardous projectiles.

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.





DANGER: RISK OF UNSAFE OPERATION

WHAT CAN HAPPEN

 Unsafe operation of your pressure washer could lead to serious injury or death to you or others.

HOW TO PREVENT IT

- 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 compromise the safety features of this product.
- Do not operate machine with missing, broken or unauthorized parts.
- Never leave wand unattended while unit is running.
- If proper starting procedure is not followed, engine can kickback causing serious hand and arm injury.
- The spray gun/wand is a powerful cleaning tool that could look like a toy to a child.
- 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.
- 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.
- Keep children away from the pressure washer at all times.
- 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.





DANGER: RISK OF ELECTRICAL SHOCK

WHAT CAN HAPPEN

 Spray directed at electrical outlets or switches, or objects connected to an electrical circuit, could result in a fatal electrical shock

HOW TO PREVENT IT

Unplug any electrically operated product before attempting to clean it. Direct spray away from electric outlets and switches.



DANGER: RISK OF CHEMICAL BURN

WHAT CAN HAPPEN

 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.

HOW TO PREVENT IT

- Do not spray acids, gasoline, kerosene, or any other flammable materials with this product. Use only household detergents, cleaners and degreasers recommended for use with pressure washers.
- Wear protective clothing to protect eyes and skin from contact with sprayed materials.



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 (11032 kPa) use the widest fan spray (40° nozzle) and keep the spray a minimum of 8" (200 mm) 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

 Contact with hot surfaces, such as engines exhaust components, could result in serious burn.

HOW TO PREVENT IT

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 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 Injury. Disconnect battery ground [Negative (–)] Terminal before servicing.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

INSTALLATION

Pressure Washer Assembly (Fig. A, C, G–J)

1. Place handle assembly **14** onto frame **6**, depress the snap buttons, and slide the handle assembly onto the frame until snap buttons snap into place.



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

- Align the holes in the battery box mounting bracket 20 with the holes in the frame 6. Push the saddle bolt 21 through the bracket 20 and frame, secure with knob 22. Tighten knob securely.
- 3. Attach high pressure hose **15** to spray gun. Make sure it is secure.
- 4. Connect wand 5 to spray gun. Make sure connection is secure.
- 5. Place the nozzle holder **2** onto the panel assembly **1** and push each nozzle holder into place.
- 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 pump on this unit is maintenance free and requires no oil. If there is a problem with the pump, contact our Customer Service Group as soon as possible.



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.

Connecting the Battery (Fig. C–F)



WARNING: To reduce the risk of electric shock or explosion, do not short circuit the battery terminals or charge in a sealed container. Keep sparks and flame away. Do not use metal tools for connections and keep metal objects away from the battery terminals. Metal objects can make a connection from one terminal to another. Shorting the battery terminals together can cause sparks, burns, or a fire.

Use only a 12V 6.5Ah/21 WPC battery.

Before using the electric start feature, the battery must be fully charged and the starter cable on the pressure washer connected to the connection port on the battery. See *Charging the Battery* in the *Maintenance* section.

To Connect the Battery (Fig. C-F)

- 1. Open the battery box 17.
- 2. Connect the red wire to the "+" (positive) 23 terminal and the black wire to the "-" (negative) 24 terminal.
- 3. Close battery box
- 4. Connect the engine start connector **18** to the battery box.
- 5. Connect the bullet connector **25** to the engine start connector **18**.
- 6. Figure F shows the complete battery box assembly.

OPERATION

Pressure Adjustments (Fig. K)

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

- 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.
- 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.
- 3. This pressure washer's high pressure pump is equipped with an adjustable unloader feature that allows the pressure setting to be adjusted. To lower the pressure, turn the pressure control knob on the pump counterclockwise to the desired pressure. To return the pump pressure to the factory setting, turn the pressure control knob on the pump clockwise until it stops.

NOTICE: DO NOT try to tum pressure regulator knob past the built-in stop or damage to the pump will result.

NOTICE: DO NOT overtighten the pressure control knob. If overtightened the knob COULD break and result in immediate loss of water pressure and costly repairs to

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

Spray Wand Nozzles (Fig. A, L)

The nozzles for the spray wand are stored in the nozzle holder 2 on the panel assembly 1. 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 | 0° | powerful pinpoint for very intense cleaning | metal or concrete; DO NOT use on wood |
| Yellow | 15° | intense cleaning of small areas | metal, concrete or wood |
| Green | 25° | intense cleaning of larger areas | metal, concrete or wood |
| White | 40° | covers wide areas of cleaning | metal, concrete, wood or vinyl |
| Black | low pressure | applies cleaning solutions | metal, concrete, wood or vinyl |

*** **NOTICE:** 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 (Fig. L)



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 collar 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 (Fig. M)

- 1. Press chemical hose 26 onto barbed fitting located near high pressure hose connection of pump as shown.
- 2. Place the other end of chemical hose with filter into the container holding chemical/cleaning solution. NOTE: For every 10 gallons (38 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 to Spray Wand Nozzles. **NOTE:** Chemicals and soaps will not siphon if the black soap nozzle is not installed on the spray wand.
- 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 **NOTICE:** Risk of property damage. Failure to do so could cause damage to the pump. Pumps damaged due to chemicals will not be covered under warranty.

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.

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!



DANGER: Carbon Monoxide. Using an engine indoors can kill you in minutes. Engine exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. You may be breathing CO even if you do not smell engine exhaust.

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

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



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.
- 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.

NOTICE: 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 (27, Fig. N) 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 (Fig. A, O-V)

NOTE: The pressure washer has both electric start and recoil start capabilities available. A nominal 12 volt sealed rechargeable lead-acid battery is supplied that complies with non-spillable battery regulations. The unit can be can be operated in any position without leakage.

NOTE: The pressure washer is shipped with the battery cable disconnected. The battery cable must be connected before the electric start feature will operate. For initial battery connection, see *Connecting the Battery* in the *Assembly* section.

NOTE: For best results, make sure your battery is fully charged before starting, see *Charging the Battery* in the **Maintenance** section.

 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.

IMPORTANT: Ethanol Shield™ (sold separately) is a fuel stabilizer that helps eliminate and prevent ethanol related problems in power equipment. Follow the instructions on the container and add to the gasoline.



NOTICE: Use of fuels with greater than 10% ethanol are not approved for use in this product per EPA regulations and will damage the unit and void the warranty.

- 2. Check engine oil level. Refer to the engine instruction manual for correct procedure.
- 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 **28** is in water inlet of pump. The convex side faces out.

NOTICE: Failure to use an inlet screen filter may cause damage to pump components and void warranty.

 Connect the cold water source 31 to pump inlet.
 NOTE: Water source must provide a minimum of 5 gallons per minute at 20 psi (138 kPa).



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

- 6. Connect high pressure hose 15 to pump outlet.
- 7. If applying a chemical or cleaning solution, refer to *Chemicals and Cleaning Solvents*.
- 8. Turn the water source on.

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

- Remove all air from the pump and high pressure hose by depressing trigger until a steady stream of water is present.
- 10. Turn the engine ON/OFF switch 8 to the ON position.
- 11. Place the fuel valve lever 12 in the ON position.
- 12. If the engine is cold, move the choke **11** to the CLOSED position as shown.
- 13. **Electric Start-** Press the starter button **32** for 3 seconds to start engine.

NOTE: For best results, make sure your battery is fully charged before starting, see *Charging the Battery* in the **Maintenance** section.

Recoil Start- Pull the starter grip slowly.



WARNING: Risk of unsafe operation. Pull starter grip slowly until resistance is felt. Then pull starter grip **9** 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 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.

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.

- 14. As the engine warms up, move the choke to the open position.
- 15. Depress trigger on gun to start water flow.



WARNING: Do not allow the unit to run for more than two minutes without the gun trigger being pulled. This could cause overheating and damage to the pump. When the temperature inside the pump rises too high, the thermal relief valve will open and release a spray of water from the pump to lower the internal temperature. The valve will then close.



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.

16. Release trigger to stop water flow.



DANGER: Risk of injury from spray. Engage the trigger lock **29** when gun is not in use to prevent accidental spraying.

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

Shutting Down (Fig. W, X)

 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.

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

- 2. Place the engine ON/OFF switch 8 to the OFF Position.
- 3. Place the fuel valve lever 12 in the OFF position.

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

- 4. Turn water source off.
- 5. Pull trigger on spray gun to relieve any water pressure in hose or spray gun.
- 6. 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.



CAUTION: Risk of Injury. Disconnect battery ground [Negative (–)] Terminal before servicing.

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

The pump on this unit is maintenance free and requires no oil. If there is a problem with the pump, contact our Customer Service Group as soon as possible.

Battery

Charging the Battery (Fig. E, AA, BB)

To keep the battery fully charged and ready for use, connect the battery charger to keep the battery while storing the pressure washer.

NOTE: The battery charger provided should only be used with the a 12 V 6.5Ah/21 WPC sealed lead acid battery supplied with this pressure washer.

- Plug the battery charger 33 into a standard household 120 V receptacle. Make sure the household power supply is 120V, 60 Hz, AC only.
- 2. Disconnect the engine start connector **18** on the pressure washer from the battery box **17**.
- Connect the battery charger 33 to the connection port on the battery box 17. The light on the battery charger will illuminate red while the battery is charging.

NOTE: The battery will become slightly warm to the touch while charging. This is normal and does not indicate a problem. When battery is fully charged, the red light will turn green.

NOTE: If the light does not illuminate, the battery maintainer fuse may need to be replaced. Check the fuse and replace if needed.

- 4. When the battery is fully charged and ready to use, connect to the pressure washer:
 - a. Disconnect the battery charger.
 - b. Reconnect the engine start connector 18 on the pressure washer to the connection port on the battery box 17, ensure the plug is fully seated.

Replacing the Battery (Fig. C-F)



WARNING: To reduce the risk of electric shock or explosion, do not short circuit the battery terminals or charge in a sealed container. Keep sparks and flame away. Do not use metal tools for connections and keep metal objects away from the battery terminals. Metal objects can make a connection from one terminal to another. Shorting the battery terminals together can cause sparks, burns, or a fire.

- 1. Disconnect the engine start connector **18** on the pressure washer from the battery box **17**.
- 2. Open the battery box 17.
- 3. Disconnect the battery:
 - Disconnect the black wire from the battery's negative (–) terminal.

- Disconnect the red wire from the battery's positive
 (+) terminal.
- Remove the old battery and dispose of according to local and state regulations. Always abide by the safety warnings provided with the battery.
- Open the battery box and place the new battery into the battery box and follow the *Connecting the Battery* instructions under **Assembly**.

Nozzle Cleaning (Fig. Y, Z)

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.
- Remove the high pressure nozzle from the spray wand.
 Remove any obstructions with the nozzle cleaning tool 30 provided and back flush with clean water.
- 5. Direct water supply into spray nozzle 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 (Fig. 0)

This filter screen **28** should be checked periodically and cleaned if necessary.

- 1. Remove the filter screen **28** 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. Convex side faces out

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

STORAGE

Engine

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

To Prevent Fuel-Related Problems

- Add Ethanol Shield™ fuel stabilizer following the manufacturer's instructions. When adding a gasoline stabilizer, fill the fuel tank with fresh gasoline. If only partially filled, air in the tank will promote fuel deterioration during storage. If you keep a container of gasoline for refueling, be sure that it contains only fresh gasoline.
- After adding a gasoline stabilizer, run the engine outdoors for 10 minutes to be sure that treated gasoline has replaced the untreated gasoline in the carburetor.

- 3. Turn the fuel valve to the OFF position.
- 4. Continue to run the engine until it stops from the lack of fuel in the carburetor fuel bowl. Running time should be less than 3 minutes.

Pump

The manufacturer recommends using DEWALT Pump Guard or equivalent when storing the unit for more than 30 days and/or when freezing temperatures are expected. DEWALT Pump Guard is environmentally friendly.

NOTE: Using pump guard helps provide proper lubrication to the internal seals of the pump regardless of temperature or environment.

NOTICE: Risk of property damage. Use only DEWALT Pump Guard or equivalent. Other products could be corrosive and/or contain alcohol which may cause pump damage.

- 1. Turn off pressure washer and disconnect hoses from pump.
- 2. Unscrew bottle valve from Pump Guard bottle and remove seal.
- 3. Screw bottle valve back onto bottle.
- 4. Attach bottle to water inlet of pump.
- 5. Squeeze bottle to inject contents into pump.
- With ignition switch off, simultaneously pull starter rope and squeeze bottle. Repeat until protector fluid exits pump outlet. NOTE: This step may require two people.

Pressure Washer

- 1. Drain all water from high pressure hose, coil it and store it in cradle of the pressure washer handle.
- 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.



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

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

Battery Removal and Preparation for Recycling



WARNING: To reduce the risk of electric shock or explosion, do not short circuit the battery terminals. Keep sparks and flame away. Do not use metal tools for connections and keep metal objects away from the battery terminals. Metal objects can make a connection from one terminal to an-other. Shorting the battery terminals together can cause sparks, burns, or a fire.



warning: Upon removal, cover the battery's terminals with heavy- duty adhesive tape. Do not attempt to destroy or disas- semble battery or remove any of its components. Lead acid batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts

as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

To preserve natural resources, please recycle or dispose of batteries properly. This product uses lead acid batteries. Local, state or federal laws may prohibit disposal of batteries in ordinary trash.

Consult your local waste authority for information regarding available recycling and/or disposal options.

Accessories



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



WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact DEWALT, call 1-877-362-4271.

Service Information

| Please have the following information available for all | | | | |
|---|--|--|--|--|
| service calls: Model Number | | | | |
| Serial Number | | | | |
| Date and Place of Purchase | | | | |

Repairs



WARNING:To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a DEWALT factory service center or a DEWALT authorized service center. Always use identical replacement parts.

To find the nearest service center, please contact DEWALT, call 1-877-362-4271.

Limited Warranty

The manufacturer of this product agrees to repair or replace designated parts that prove defective within the warranty period listed below at the manufacturer's sole discretion. Specific limitations/extensions and exclusions apply.

This warranty covers defects in material and workmanship and not parts failure due to normal wear, depreciation, abuse, accidental damage, negligence, improper use, maintenance, water quality or storage. To make a claim under the terms of the warranty, all parts said to be defective must be retained and available for return upon request to a designated Warranty Service Center for

warranty inspection. The judgments and decisions of the manufacturer concerning the validity of warranty claims are final

These warranties pass through to the end user and are non-transferable. As a factory authorized and trained Warranty Service Center, the factory will honor the terms of all component warranties and satisfy claims of the appropriate warranty provisions.

Normal wear items include, but are not limited to, valves and seals, which are not covered by this warranty. This warranty replaces all other warranties, express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose and all such warranties are hereby disclaimed and excluded by the manufacturer. The manufacturer's warranty obligation is limited to repair and replacement of defective products as provided herein and the manufacturer shall not be liable for any further loss, damages, or expenses – including damages from shipping, accident, abuse, acts of God, misuse, or neglect. Neither is damage from repairs using parts not purchased from the manufacturer or alterations performed by non-factory authorized personnel. Failure to install and operate equipment according to the guidelines put forth in the instruction manual shall void warranty.

This warranty does not cover the following:

machines used for rental purposes, damage resulting from shipping (claims must be filed with freighter), accident, abuse, act of God, misuse, or neglect. Neither is damage from repairs or alterations performed by non-factory authorized personnel or failure to install and operate equipment according to the guidelines put forth in the instruction manual.

The manufacturer will not be liable to any persons for consequential damage, for personal injury, or for commercial loss.

Responsibility of Original Purchaser (Initial User):

- To process a warranty claim on your DEWALT pressure washer, report the concern to 1-877-362-4271 or cservice@fna-group.com for authorization and direction to the nearest authorized service centre in your area.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).

Warranty Does Not Apply to Failures Due to:

- Merchandise sold as reconditioned, used as rental equipment, used for commercial purposes or commercial applications, or floor or display models.
 Freight damage
- Damage due to chemical deterioration, scale build up, rust, corrosion or thermal expansion
- · Freeze damage
- Damage caused by parts or accessories not obtained from an authorized dealer or not approved by the manufacturer.

 Normal wear of moving parts or components affected by moving parts.

Engine and Emissions Control System

Covered by engine manufacturer warranty. See **engine manual.**

High Pressure Pump (defects in material and workmanship)

Three (3) years from date of purchase

Frame (defects in material and workmanship)

Five (5) years from date of purchase.

Accessories (Defects in Material and Workmanship)

Includes nozzles, hoses, spray guns, wands, tires, feet Ninety (90) days from date of purchase.

Glossary

Bypass mode: Allows water to re-circulate within pump when the gun trigger is not pulled.

Chemical hose: Feeds cleaning agents into the pump to mix with the water. Refer to **Chemicals and Cleaning Solvents**.

Chemical injection system: Mixes cleaners or cleaning solvents with water to improve cleaning effectiveness.

Choke control: Opens and closes carburetor choke valve. **CU:** Cleaning Units. GPM multiplied by psi. (GPM x PSI = CU)

Fuel valve lever: Opens/closes connection between fuel tank and carburetor.

GPM*: Gallons Per Minute. The unit of measure for the flow rate of water.

PSI*: Pounds per Square Inch. The unit of measure for water pressure. Also used for air pressure, hydraulic pressure, etc.

* Complies with CETA Performance Standard CPC-100.

kPa (kilopascal): Metric pressure measurement. 1 kilopascal equal 1000 pascals.

Quick-connect spray wand: Allows the user to quickly change out high pressure nozzles. Refer to Spray Wand Nozzles.

Thermal relief valve: When the temperature inside the pump rises too high the valve will open and release a gush of water in an effort to lower the temperature inside the pump. The valve will then close.

Water supply: All pressure washers must have a source of water. The minimum requirements for a water supply are 20 psi (138 kPa) and 5 gallons per minute.

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 FNA technician or your dealer.

| Problem | Code | |
|---|--|--|
| Engine will not start/Engine starts and dies | 1, 2, 3, 4, 5, 6, 7, 8, 32 (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 | |
| Pump Pulsates | 12 | |
| Electric start feature not working | 29, 30, 31 | |

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. |

| CODE | POSSIBLE CAUSE | POSSIBLE SOLUTION |
|------|---|--|
| 7 | Choke lever in the CHOKE position on a hot 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 Operation. |
| 10 | Low water supply. | Water supply must be at least 5 GPM @ 20 psi (138 kPa). |
| 11 | Leak at high pressure hose fitting. | Repair leak. Apply sealant tape if necessary. |
| 12 | Nozzle obstructed. | See Nozzle Cleaning under Maintenance. |
| 13 | Water filter screen clogged. | Remove and clean filter. See To Clean the Water Inlet Filter under Maintenance . |
| 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. |
| 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 | Engine start connector is not connected. | Connect engine start connector. |
| 30 | Battery is not charged. | Charge the battery. See <i>Charging the Battery</i> under Maintenance. |
| 31 | Battery positive and negative battery wires disconnected. | Connect the positive and negative battery wires. |
| 32 | Unit equipped with water sensing device. Presence of water is not detected in the pump. | Turn water faucet completely on. |

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