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OMTY24019 Issue C7 English

OMT Y24019 C7

LITHO IN U.S.A.
ENGLISH

Introduction

THANK YOU for purchasing a John Deere product.

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the machine or implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. File

the identification numbers in a secure place off the machine.

WARRANTY for the washer chassis and pump components is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

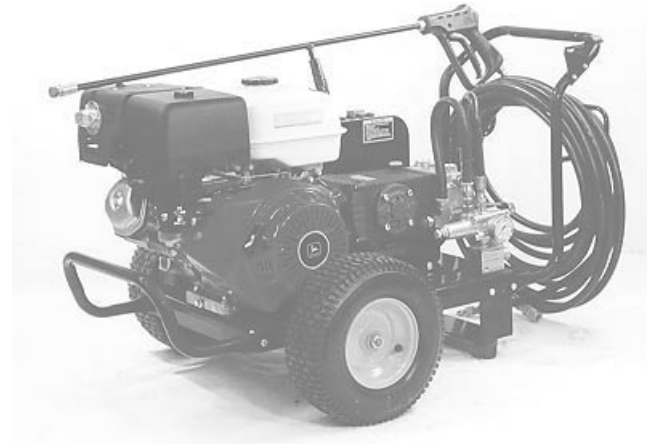
Warranty and product support for the engines is provided by Honda. The Honda engine warranty is explained in the Honda warranty certificate that you should have received when you purchased this washer. Additional copies of the engine warranty certificate are available from your John Deere dealer.

Introduction



AC2400G

TYB3170
-UN-11FEB97



AC2500G

TYB3171
-UN-11FEB97



AC2700G

TYB3172
-UN-11FEB97



AC3300G

TYB3173
-UN-11FEB97

Introduction

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All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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A John Deere ILLUSTRATION™ Manual

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Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-03MAR93

T81389 -UN-07DEC88

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88

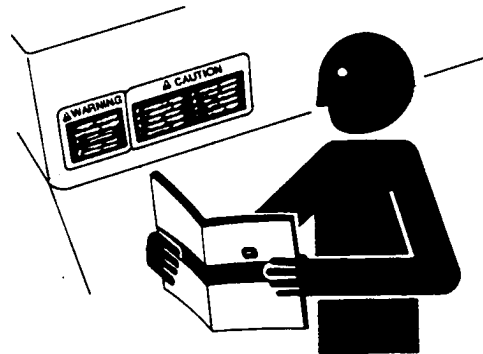
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-03MAR93

TS201 -UN-23AUG88



PROTECT PEOPLE AND PETS

Keep people and pets out of the area where you are using the high pressure washer.

Do not let children operate high pressure washer.

TY,93SA,A1 -19-12MAR92

INSPECT HIGH PRESSURE WASHER

Be sure all covers, guards, and shields are in place.

Locate all operating controls and safety labels.

Keep all hardware and plumbing fittings tight.

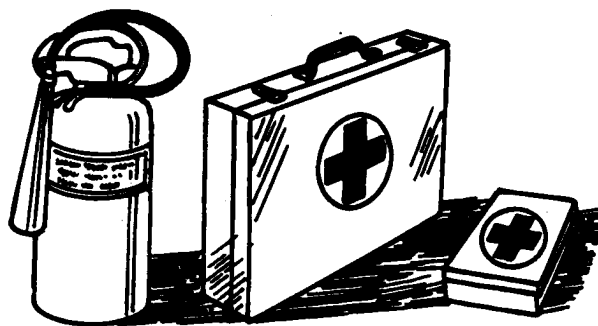
TY,101SA,A -19-12MAR92

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



DX,FIRE2 -19-03MAR93

TS291 -UN-23AUG88

HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.



DX,FIRE1 -19-03MAR93

TS202 -UN-23AUG88



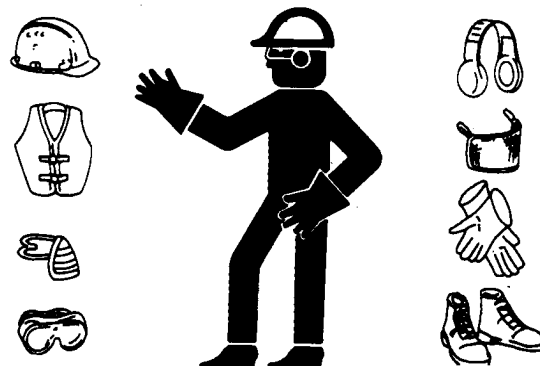
WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



TS206 -UN-23AUG88

DX,WEAR -19-10SEP90

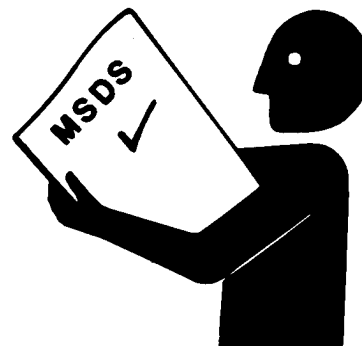
HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

(See your John Deere dealer for MSDS's on chemical products used with John Deere equipment.)



TS1132 -UN-26NOV90

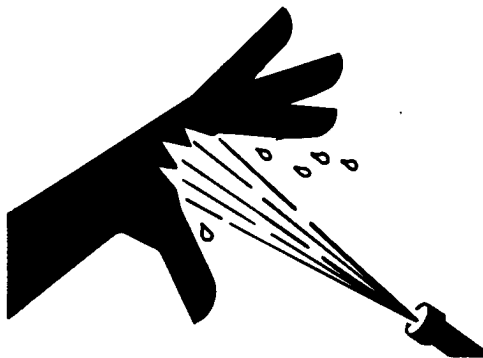
DX,MSDS,NA -19-03MAR93



PROTECT AGAINST HIGH PRESSURE SPRAY

Spray from high pressure nozzles can penetrate the skin and cause serious injury. Keep spray from contacting hands or body.

If an accident occurs, see a doctor immediately. Any high pressure spray injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



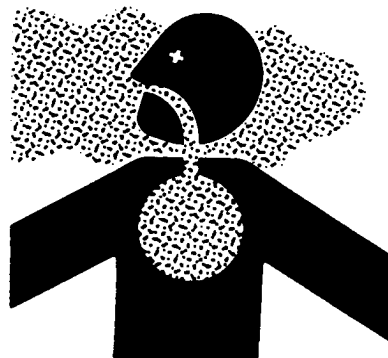
DX,SPRAY -19-16APR92

TS1343 -UN-18MAR92

WORK IN VENTILATED AREA

Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.



DX,AIR -19-04JUN90

TS220 -UN-23AUG88



MISCELLANEOUS SAFETY PRECAUTIONS

Read this Operator's Manual before using the high pressure washer.

Be aware of the surrounding environment.

Do not direct spray toward any part of the body.

Clear area of people and pets.

Do not allow children or untrained persons to operate the washer.

Be alert. Do not allow yourself to be distracted. Misdirected spray can cause serious injuries and damage.

Do not spray electrical switches, receptacles, or light bulbs, or glass and fragile objects that may shatter.

Do not "lock" trigger in the open position.

Be sure all quick connect fittings are locked to prevent accidental uncoupling.

Do not operate washer if fuel, pump oil, or water leaks are visible. Resume operation ONLY after washer has been inspected and repaired.

Always wear eye protection when using washer. Wear all-rubber footwear to help provide electrical insulation. Wear other appropriate protective clothing such as rubber gloves, respirator, etc. that is applicable to the cleaning operation.

Do not modify or alter washer in any manner not described in the Operator's Manual.

Do not leave washer unattended until it is completely cooled down, pressure is relieved.

TY21674,A -19-11JAN94



SERVICE HIGH PRESSURE WASHER SAFELY

Before servicing washer, disconnect power supply, relieve water pressure, and allow unit to cool down.

Service washer in a clean dry flat area. Block wheels to prevent unit from rolling.

TY,89SA,J -19-12MAR92

CLEANING DETERGENT PRECAUTIONS

Know the detergent being used. Be prepared to tell a physician exactly what you are using in the event of an emergency. Read all chemical labels and follow all instructions exactly regarding preparation, use, safety, transportation, and disposal. Keep all chemicals out of the reach of children, pets, and livestock.

NEVER spray combustible liquids of any kind.

Do not use highly corrosive chemicals or acid-type cleaners with this washer.

TY,89SA,G -19-12MAR92

Safety Signs

SAFETY SIGNS— AC2400G, AC2700G AND AC3300G

⚠ CAUTION

•To reduce risk of injury: read and understand the operation manual and all alert instructions before using •Stay alert: hold onto gun/wand firmly with both hands to avoid dangerous kickbacks •Always wear eye protection •Do not overreach or stand on unstable support. Keep good footing and balance at all times •Always turn on water supply to pump before starting •Protect pump from freezing •Engage trigger safety lock-off when not in use.

⚠ OPERATION

•After ensuring all connections are secure, open inlet water supply completely. Do not operate without water that is over 125 °F •With gun locked, remove nozzle, point gun in a safe direction, brace wand securely to avoid recoil, squeeze trigger open, steady the unit, and start by firmly pulling on the starter rope •After engine is running, lock gun and insert desired nozzle. Point gun in a safe direction, unlock gun & squeeze trigger to spray and release the trigger to stop spray •After stopping the engine, always turn off water supply and squeeze trigger to release trapped pressure.

⚠ CAUTION

RISK OF FIRE. DO NOT ADD FUEL WHEN THE PRODUCT IS OPERATING. ALLOW ENGINE TO COOL FOR 2 MINUTES BEFORE REFUELING.

⚠ WARNING

•Risk of injection or severe injury: keep clear of nozzle. Do not direct spray toward any person or self •Risk of asphyxiation: outdoor use only required •Risk of fire: do not smoke while refueling. Allow to cool two to three minutes before refueling. Do not operate while refueling •Risk of electrocution: do not direct spray toward any electrical connections, outlets or power lines •Risk of explosion: do not spray toward any electrical connections, outlets or power lines •Risk of explosion: do not spray flammable liquids •Risk of injury: use only properly rated equipment.



⚠ WARNING

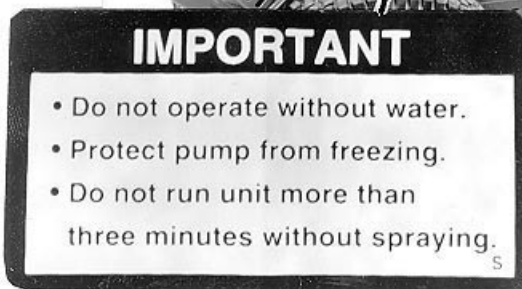
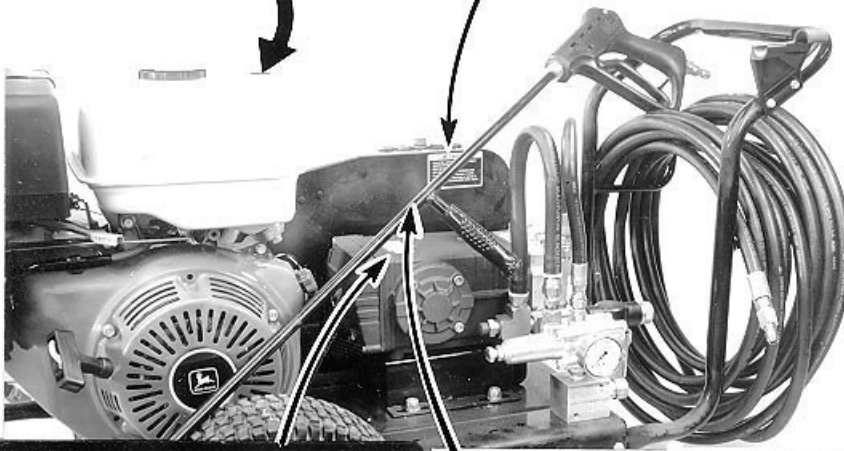
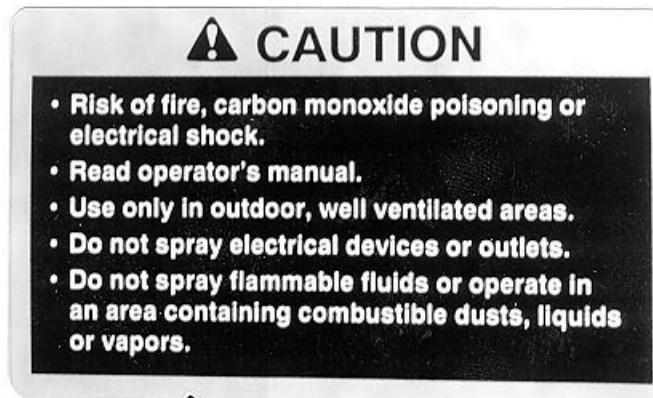
HOT SURFACES. MUFFLER AND ADJACENT AREAS MAY EXCEED 150° F.

AC2400G

OM24019, 10A -19-26MAR97

TYB3231 -19-18MAR97

SAFETY SIGNS—AC2500G



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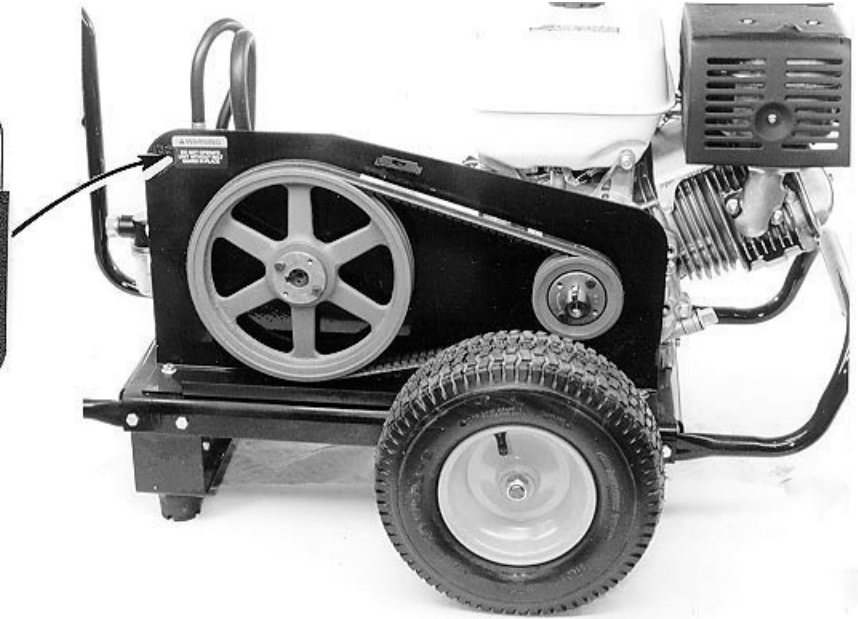
TYB3232 -19-18MAR97

SAFETY SIGNS—AC2500G (CONT'D)



TYB3233 -19-18MAR97

TY24019OM,10B -19-26MAR97



AC2500G—Belt Guard Removed

TY24019OM,10C -19-26MAR97

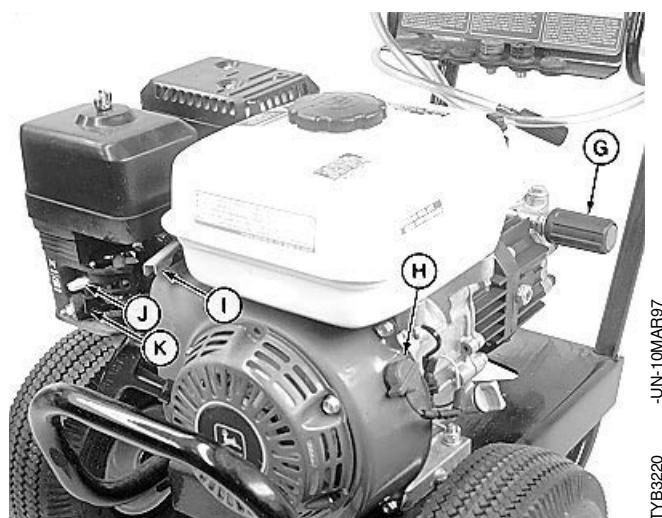
TYB3234 -19-18MAR97

Controls

AC2400G

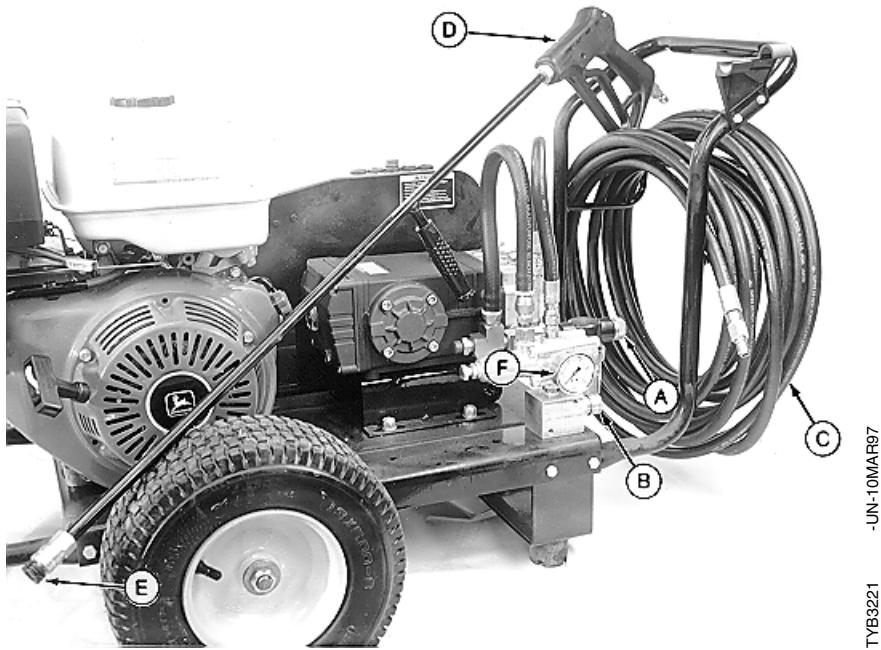


- A—Water Supply Inlet
- B—High Pressure Outlet
- C—High Pressure Hose
- D—Gun
- E—Nozzle
- F—Chemical Hose
- G—Pressure Adjusting Knob
- H—Engine ON-OFF Switch
- I—Throttle
- J—Choke
- K—Fuel Shut-Off Valve

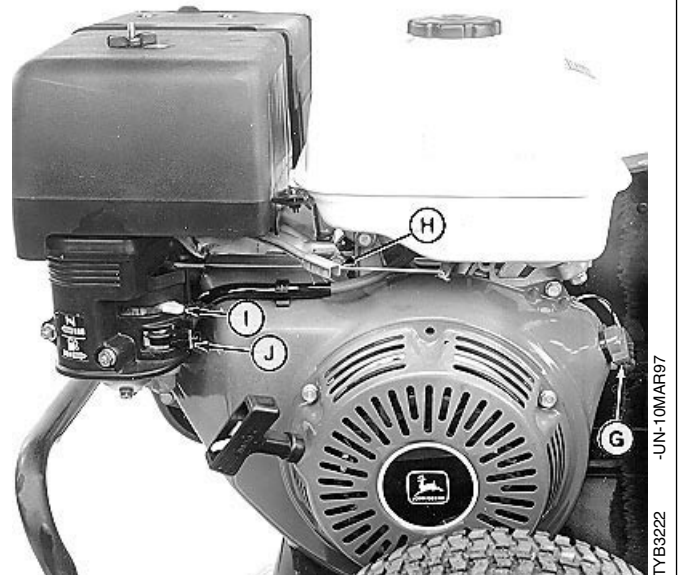


OM24019,15A -19-26MAR97

AC2500G

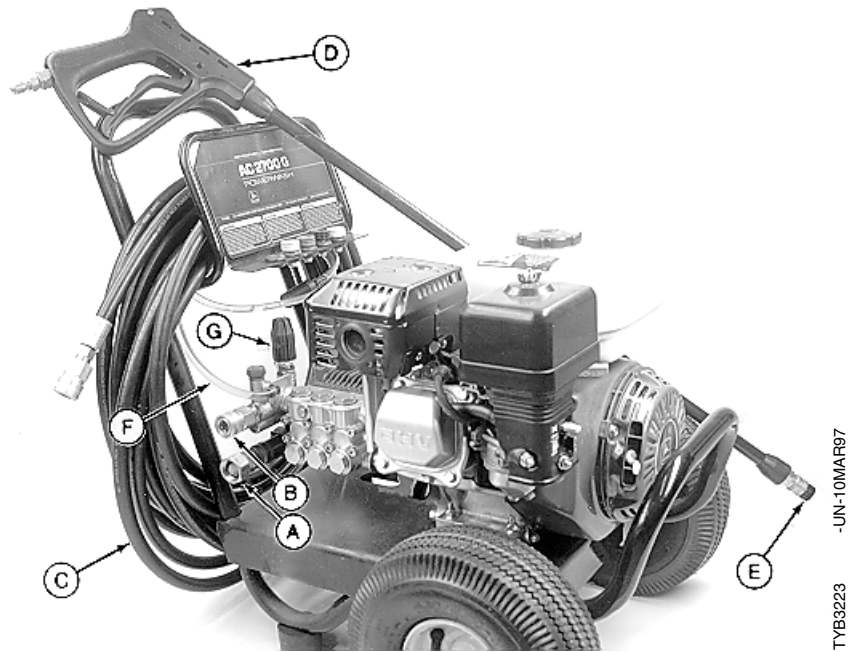


- A—Water Supply Inlet
- B—High Pressure Outlet
- C—High Pressure Hose
- D—Gun
- E—Nozzle
- F—Pressure Gauge
- G—Engine ON-OFF Switch
- H—Throttle
- I—Choke
- J—Fuel Shut-Off Valve

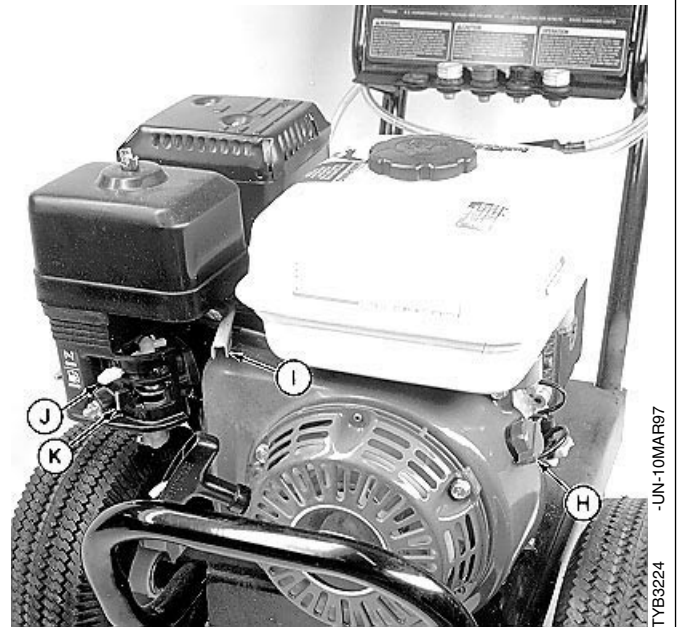


OM24019,15B -19-26MAR97

AC2700G



- A—Water Supply Inlet
- B—High Pressure Outlet
- C—High Pressure Hose
- D—Gun
- E—Nozzle
- F—Chemical Hose
- G—Pressure Adjusting Knob
- H—Engine ON-OFF Switch
- I—Throttle
- J—Choke
- K—Fuel Shut-Off Valve



OM24019,15C -19-26MAR97

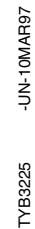
AC3300G

A—Water Supply Inlet
 B—High Pressure Outlet
 C—High Pressure Hose
 D—Gun
 E—Nozzle
 F—Chemical Hose
 G—Pressure Adjusting Knob
 H—Engine On-Off Switch
 I—Throttle
 J—Choke
 K—Fuel Shut-Off Valve

TYB3225 -UN-10MAR97

TYB3226 -UN-10MAR97

OM24019,15D -19-26MAR97



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- A detailed photograph of the Honda AC 3300G Powerwash engine and chassis. The engine is a four-stroke, single-cylinder unit with a black upper housing and a silver lower housing. A white fuel tank is mounted on top. The engine is mounted on a black metal frame with two large, treaded tires. A black handle is visible on the right side. The text "AC 3300G POWERWASH" is printed on the side of the engine housing. Callout letters J, K, I, and H are used to identify specific components: J points to the spark plug, K points to the spark plug cap, I points to the air filter, and H points to the oil fill cap.

TYB3226 -UN-10MAR97

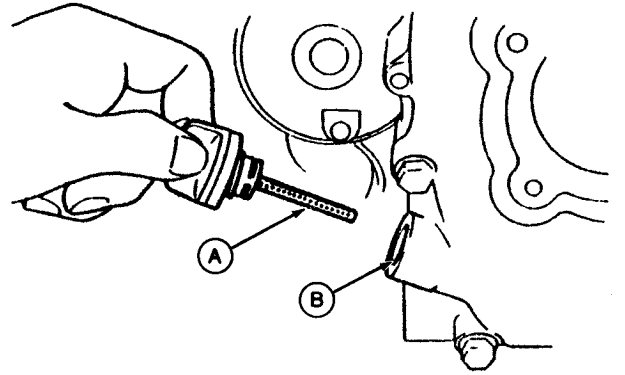
Preparing Washer

CHECK ENGINE OIL

NOTE: AC2400G Illustrated. All washers are shipped with engine oil. Check proper level.

1. Place unit on level surface.
2. Remove oil filler cap/dipstick and wipe it clean.
3. Insert filler cap/dipstick into oil filler neck, but **DO NOT** screw it in.
4. Remove dipstick. Proper oil level is at midpoint of dipstick (A). Add oil if necessary to bring oil level to top of threads (B).
5. Install and tighten cap.

NOTE: Oil can be checked using filler cap on either side of engine.



TYB3216 -UN-19MAR97

OM24019,20A -19-26MAR97

GASOLINE ENGINE OIL

Use oil viscosity based on the expected air temperature range during the period between oil changes.

The following oil is preferred:

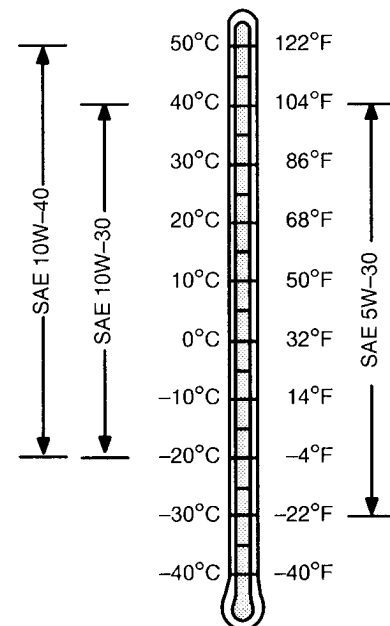
- John Deere TURF-GARD™

The following oil is also recommended:

- John Deere PLUS-4®

Other oils may be used if they meet one or more of the following:

- API Service Classification SH
- API Service Classification SG
- CCMC Specification G4
- CCMC Specification G5



TS1649 -UN-14MAR96

DX,ENOIL2 -19-18MAR96

FILLING FUEL TANK



CAUTION: Risk of fire. Do not add fuel when product is operating. Allow engine to cool for two minutes before refueling. Do not smoke when filling fuel tank. Do not overfill fuel tank. (There should be no fuel in filler neck.)

Remove filler cap (A) and slowly fill the fuel tank with lead free gasoline. Replace filler cap.

Fuel Tank Capacity

AC2400G	3.60L (0.95 gal)
AC2500G	6.51L (1.72 gal)
AC2700G	3.60L (0.95 gal)
AC3300G	6.51L (1.72 gal)



AC2400G Illustrated

TYB3153 -UN-11FEB97

OM24019,20B -19-26MAR97

INLET WATER SUPPLY REQUIREMENTS

1. Inlet water supply must be at a minimum of 20 psi (1.4 bar).
2. Inlet water flow must be at least 125% of pump rated flow (see table below). Check volume by timing how long it takes to fill a 5 gal. (19 L) container. For example, a flow rate of 3.00 gpm would fill a 5 gallon container in 5/3 minute (100 seconds).
3. Water supply hose should be a good grade of garden hose with a minimum I.D. 5/8 in. (16 mm) and no longer than 50 ft. (15.24 m). If long supply hose must be used, check to be certain flow is at least equal to the "GPM Supply Required" value listed at bottom of this page for your washer.
4. If non-pressurized (static draw) water supply is used, check to be certain flow is at least 125% of pump rated flow (see table below).
5. Adding supply hose extensions will reduce water flow rates. Check for required water flow for each supply extension added.

IMPORTANT: Inlet water temperature must not be more than 125° F (60°C). Damage to the pump may result.

NOTE: Use of water filter TY8342 (accessory for AC2400G, AC2700G and AC3300G) is highly recommended for washers used with rural wells.



TY14625 -UN-23FEB89

Washer	Rated Flow (GPM)	GPM Supply Required
AC2400G	2.40	3.00
AC2700G	2.40	3.00
AC3300G	3.30	4.13
AC2500G	4.40	5.50

OM24019,20C -19-26MAR97

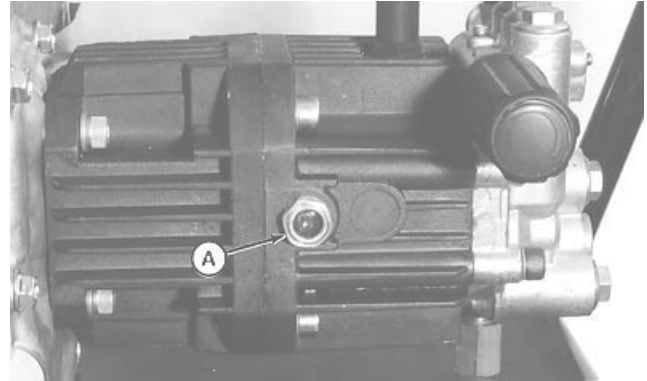
CHECK PUMP OIL

1. Put unit on level surface.

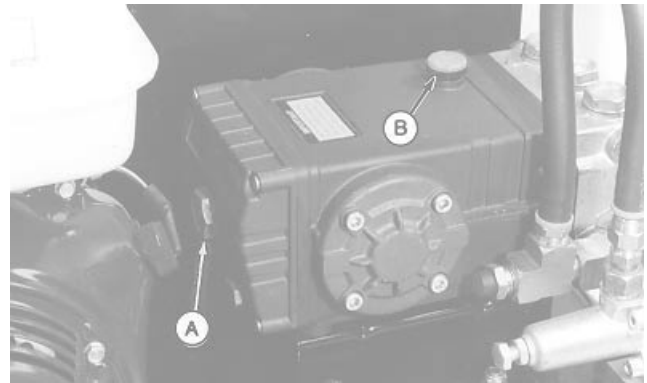
2. Check oil as follows:

- ALL MODELS: View level through clear window (A), oil should fill sight glass.
- Additional method for AC2500G, AC2700G and AC3300G Only: Remove dipstick (B) and wipe clean. Put dipstick in hole. Remove dipstick and check level. Oil level should be located at notch (C) on AC2500G, and at dipstick ring (D) on AC2700G and AC3300G.

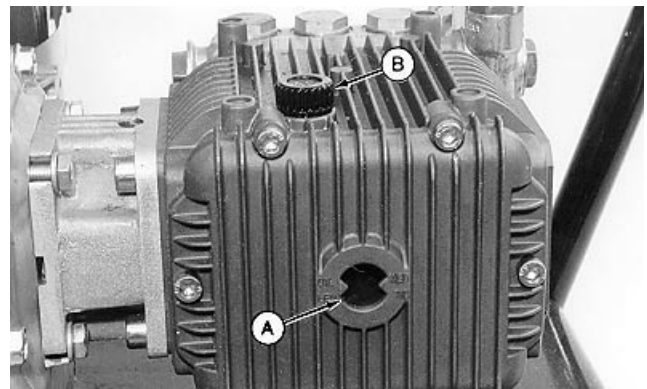
3. Add HY-GARD® or SAE-30 NON-DETERGENT oil if necessary. Do not overfill.



AC2400G



AC2500G



AC2700G and AC3300G

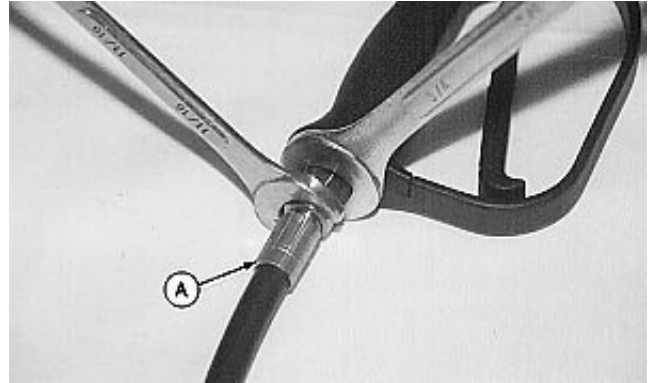


CONNECT DISCHARGE HOSE TO GUN— AC2400G ONLY

1. Apply pipe tape or sealant to threads on gun.

NOTE: Be sure fitting O-rings are in place before attaching hose.

2. Attach discharge hose (A) to gun using two open-end wrenches. Tighten hose fitting enough to compress O-ring and prevent leaks, but not so tight as to damage O-ring.

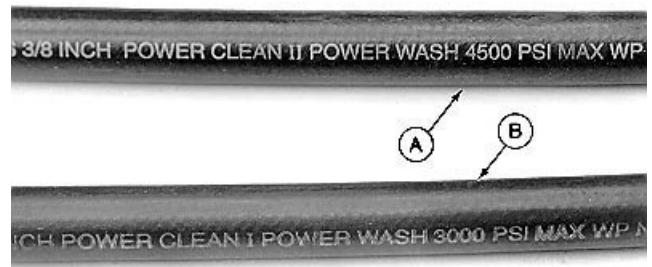


TYK214 -UN-17OCT95

TY24019OM,20A -19-26MAR97

CONNECT DISCHARGE HOSE TO GUN— AC2500G, AC2700G, AC3300G

CAUTION: Check pressure rating printed on hose. Use proper hoses. Use only PT18749 hose (A), working pressure of 4500 psi, with AC3300G washer. Hose TY20414 (B) with working pressure of 3000 psi, is for use on AC2500G and AC2700G washers only. TY20414 and PT18749 high pressure hoses are similar in appearance and are physically interchangeable.



TYB3228 -UN-19MAR97

TY24019OM,20B -19-26MAR97

1. Retract locking ring (A) of hose quick-connect fitting and insert gun quick-connect male fitting.
2. Slide locking ring forward. Tug hose gently to ensure solid connection.



TY14627 -UN-23FEB89

TY24019OM,20C -19-26MAR97

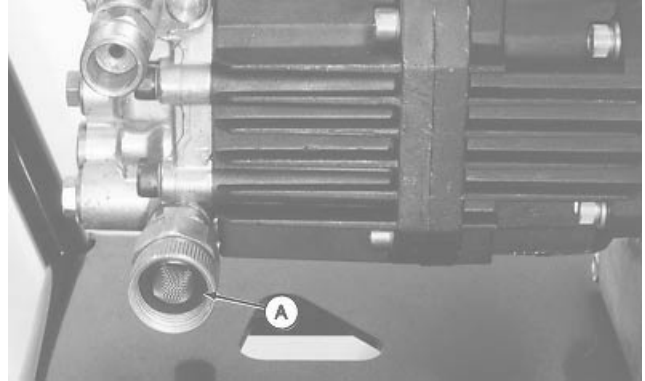
CONNECT HOSES AND PRIME PUMP

IMPORTANT: Be sure that inlet water screen (A) is in place before connecting water supply hose to AC2400G, AC2700G and AC3300G washers. The water pump and valves could be damaged from contaminants. (AC2400G illustrated.)

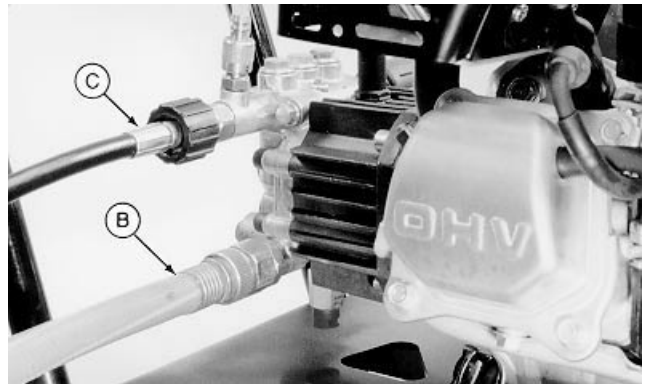
1. Prime water supply hose. Shut off water.
2. Connect water supply hose (B) to washer inlet. Be sure water supply and hose meet specifications. Do not turn water on at this time.

CAUTION: Check pressure rating printed on hose. Use proper hoses. Use only PT18749 hose, with working pressure of 4500 psi, on AC3300G washer. Hose TY20414, with working pressure of 3000 psi, is for use on AC2500G and AC2700G washers only. TY20414 and PT18749 high pressure hoses are similar in appearance and are physically interchangeable. (See illustration on previous page.)

3. Connect high pressure hose (C) to washer outlet. Give hose a slight tug to be sure hose is connected.
4. Open water supply. Squeeze trigger on gun. Allow water to run (without engine running) until water runs out pressure hose. Start engine and cycle trigger on gun until "crackling" sound (air in lines) stops. Turn off water supply.

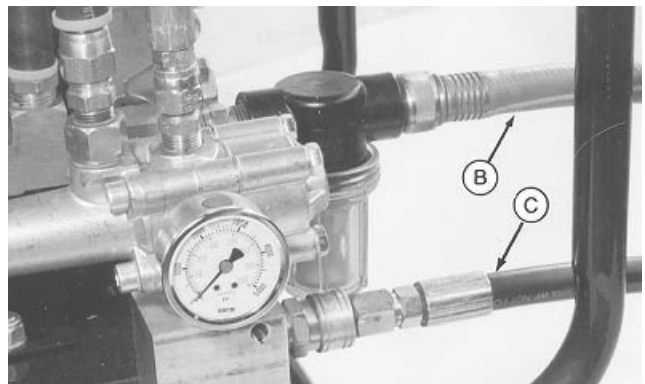


TYB3154 -UN-11FEB97



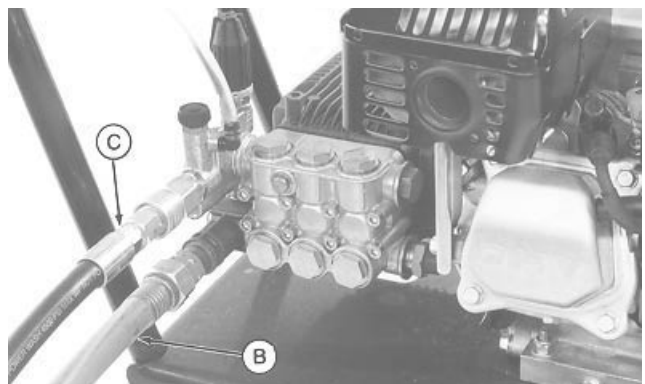
TYB3155 -UN-11FEB97

AC2400G



TYB3157 -UN-11FEB97

AC2500G



TYB3156 -UN-11FEB97

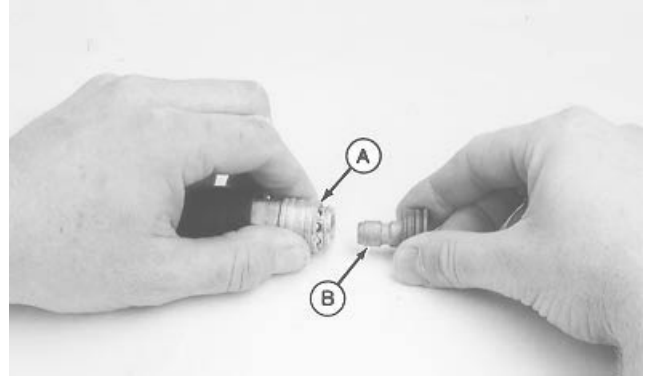
AC2700G and AC3300G

INSTALLING NOZZLE

CAUTION: To avoid injury from escaping fluids under pressure, relieve the pressure in the system by stopping the washer and depressing gun trigger. Lock trigger before changing or adjusting nozzle.

Be sure nozzle is tightly attached before operating to help prevent nozzle release.

1. Retract locking ring (A) of quick-connect fitting and insert male quick-connect fitting of nozzle (B).
2. Push ring forward and lock nozzle in place. Be sure nozzle is fastened to wand.



TYB3162 -UN-11FEB97

OM24019,20F -19-26MAR97

Operation

BEFORE OPERATING

1. Check engine oil and fuel. See “Fuel and Lubricants”.
2. Check water pump oil level.
3. Open water supply completely.
4. Check all hose connections.
5. Check hoses for kinks.

OM24019,20G -19-26MAR97

STARTING ENGINE

CAUTION: Do not run engine in an enclosed area. Exhaust gas contains carbon monoxide, an odorless and poisonous gas.

NOTE: AC2400G Illustrated.

1. Set fuel valve lever (A) right to ON position.
2. Move choke control lever (B) left to "CHOKE" position.

NOTE: A warm engine requires less choking than a cold engine.

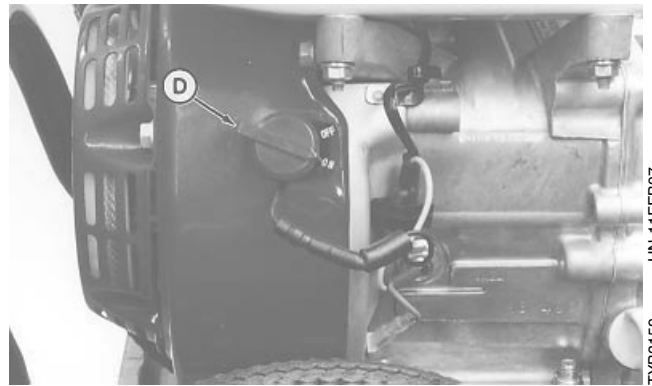
3. Move throttle lever (C) slightly to the left.
4. Turn engine switch (D) to "ON" position.
5. Place foot on washer frame.
6. Point nozzle away from people, animals or fragile materials and squeeze gun trigger.
7. Pull recoil starter grip lightly until resistance is felt, then pull briskly until engine starts.

IMPORTANT: Do not allow starter grip to snap back against engine. Return it gently to prevent damage to starter.

IMPORTANT: To avoid loss of lubrication to the engine, operate engine on a level surface. Do not exceed a 15° slope or automatic low oil switch will stop engine.

8. As engine starts to falter, move choke control lever (B) right to OPEN position.
9. Position throttle lever (C) to desired speed.

IMPORTANT: To prevent possible pump damage, do not allow washer pump to run in bypass (with gun trigger released) for longer than 3 minutes.



TYB3158 -UN-11FEB97

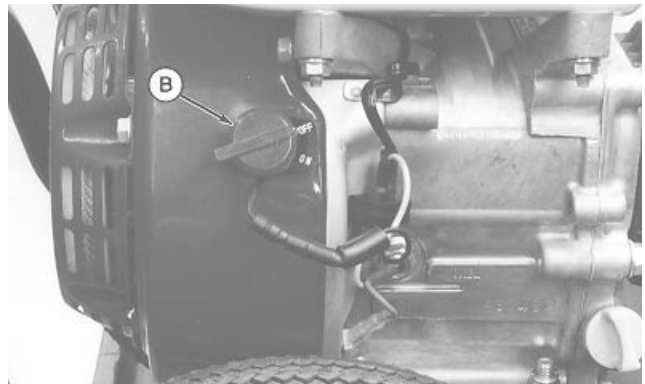
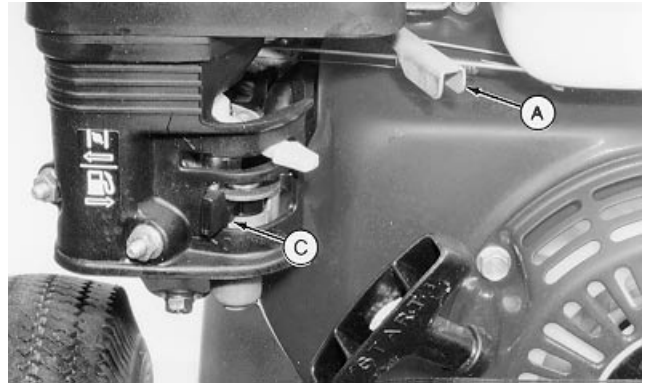
TYB3159 -UN-11FEB97

STOPPING THE ENGINE

IMPORTANT: To stop engine in emergency, turn engine switch (B) to “OFF” position.

NOTE: AC2400G Illustrated.

1. Move throttle lever (A) fully to the right.
2. Turn engine switch (B) to “OFF” position.
3. Move fuel valve (C) left to “OFF” position.



OM24019,20J -19-26MAR97

Gun and Nozzle Operation

LOCKING GUN TRIGGER

CAUTION: Gun trigger should be locked when not in use or whenever adjustments are being made to gun or nozzle. This will help prevent accidental discharge of high pressure fluid.

1. Pivot lock (A) down to prevent trigger engagement.
2. Pivot lock up to release trigger.



OM24019,25A -19-26MAR97

TYB3190 -UN-11FEB97

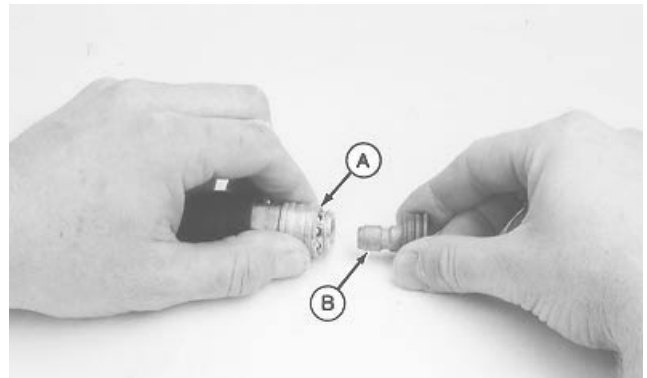
CHANGING NOZZLE

CAUTION: High pressure spray can cause serious injury. Keep away from spray. Never point the gun at yourself or anyone else. Never put your hand, fingers, eyes, or body directly over spray. Do not point spray toward fragile materials.

CAUTION: To avoid injury from escaping fluids under pressure, relieve the pressure in the system by stopping the washer and depressing gun trigger. Lock trigger before changing or adjusting nozzle.

Be sure nozzle is tightly attached before operating to help prevent nozzle release.

1. Retract locking ring (A) of quick-connect fitting and remove nozzle (B).
2. Insert nozzle and push ring forward and lock nozzle in place. Be sure nozzle is fastened to wand.



OM24019,25B -19-26MAR97

TYB3162 -UN-11FEB97

SELECTING THE PROPER NOZZLE

Pressure and volume are partially determined by the size of the orifice in the nozzle. Standard numbers are stamped on the face of nozzles to indicate spray pattern and orifice size. For example, a nozzle stamped 25055 has a 25° spray pattern and a 5.5 orifice.

OM24019,30AB -19-26MAR97

0° NOZZLE—RED

The nozzle is a blasting nozzle, delivering a concentrated stream of water.

IMPORTANT: Care must be used to avoid gouging wood or damaging fragile surfaces.

Recommended uses are as follows:

- Removing stains from concrete, masonry, aluminum and steel
- Remove weeds from sidewalk cracks
- Remove caked-on mud from equipment
- Clean lawn mower under deck



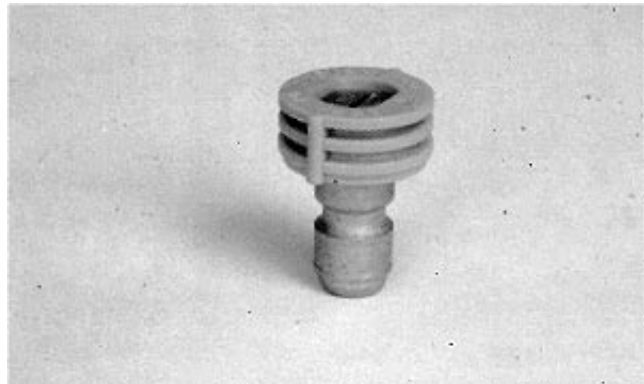
TYB1795 -UN-10JAN94

TY,GNO,D -19-26MAR97

15° NOZZLE—YELLOW

This nozzle provides a chiseling effect suitable for surface preparation. The spray should be directed at a 45° angle to the surface. Recommended uses are:

- Removing peeling paint
- Removing mildew stains



TYB1794 -UN-10JAN94

TY,GNO,C -19-26MAR97

25° NOZZLE—GREEN

This is a flushing nozzle. It produces a brush effect with a narrower spray pattern and more concentrated spray pressure. Recommended uses are:

- Wet-Sweeping leaves from walks and drives
- Cleaning stable floors
- Cleaning swimming pool bottoms
- Cleaning barbeque grill



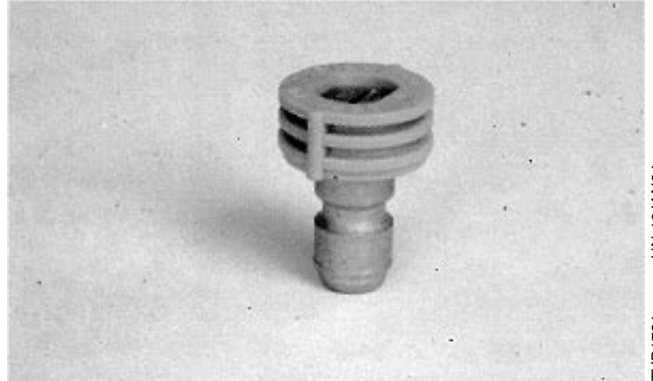
TYB1796 -UN-10JAN94

TY,GNO,E -19-26MAR97

40° NOZZLE—WHITE

This nozzle is a general purpose nozzle with a wide angle spray pattern. It is recommended for rinsing and light cleaning. Uses are as follows:

- Cleaning windows and aluminum siding
- Vehicles (normal road dirt)
- Cleaning sidewalks, drives and patios



TY,GNO,F -19-26MAR97

TYB1794 -UN-10JAN94

CHEMICAL INJECTOR NOZZLE—BLACK (BRASS)

This nozzle must be used with, and is included in the chemical injector kit. This nozzle will allow a soft spray to soak on a surface with a liquid chemical or detergent. It is recommended for applying cleaning agents for removing mildew and oxidation stain from houses; or cleaning effervescent brick.



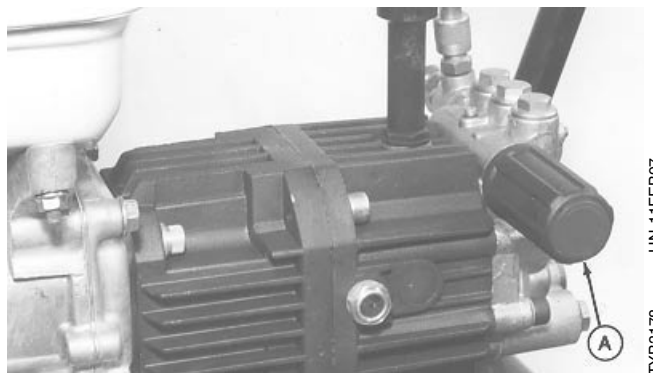
TY24019OM,30A -19-26MAR97

TYB3227 -UN-10MAR97

ADJUSTING WATER PRESSURE—AC2400G, AC2700G AND AC3300G WASHERS

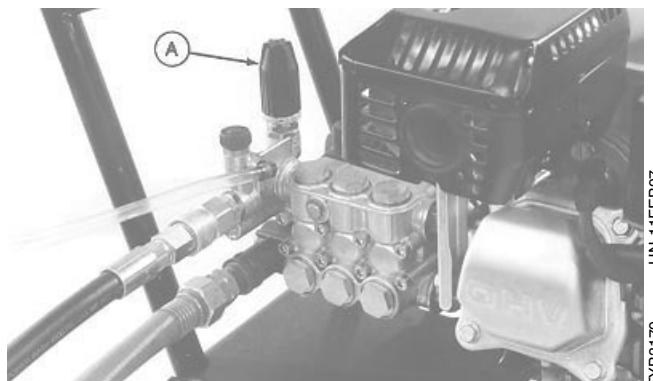
Turn pressure adjusting knob (A) clockwise to increase pressure and counterclockwise to decrease pressure.

NOTE: Water pressure is pre-set on AC2500G washers and should only be serviced by an authorized dealer.



AC2400G

TYB3178 -UN-11FEB97



AC2700G and AC3300G

TYB3179 -UN-11FEB97

OM24019,25C -19-26MAR97

Chemical System Operation

CHEMICAL USAGE GUIDE



CAUTION: Use detergents and chemicals carefully. Read labels thoroughly and follow all instructions for preparation, use, safety, transportation and disposal. Be prepared to tell a physician exactly what chemicals you are using in the event of an emergency. Keep all chemicals out of reach of children.

Be aware that two chemicals or detergents can be mixed on the sprayed surface. In this regard, some chemicals may give off harmful fumes or start an unpredictable chemical reaction when mixed with another chemical.

NEVER SPRAY FLAMMABLE LIQUIDS such as gasoline, fuel oil, alcohol, naptha, etc.

The washers are designed to dispense John Deere approved cleaners and degreasers.

IMPORTANT: Using chemicals other than John Deere approved cleaners and degreasers is **NOT recommended.**

If the use of chemicals other than those approved by John Deere is desired, be sure to read and follow all chemical labels exactly regarding preparation, use, safety, transportation, and disposal. Keep in mind that the detergent injector system further dilutes the chemical with water, and that some chemicals may not be concentrated enough to properly work with the system.

Some detergent may not give premix instructions and may require experimenting to determine proper dilution for your application.

If you are not familiar with the chemical or detergent, always test a small area of the surface to be cleaned for adverse reaction. Do this a day in advance. Thoroughly rinse area with water.

OM24019,35AC -19-26MAR97

CLEANING WITH CLEANING SOLUTION

CAUTION: Wear goggles, respirator and protective clothing to help prevent injury from chemicals and spray.

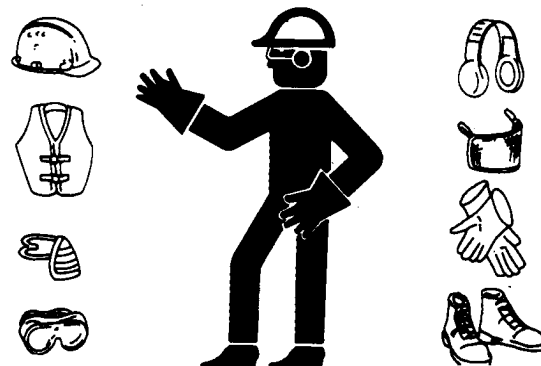
IMPORTANT: DO NOT direct pressure washer spray at the washer or pump.

1. Mix chemicals or detergent as instructed by the manufacturer.
2. Be sure that water supply is adequate and turned on fully.
3. Install chemical valve. (Accessory on AC2500G.)
4. Insert siphon hose into cleaning solution. Be sure that hose is clear and fully submerged in solution.

IMPORTANT: The chemical system will work only when a chemical nozzle is installed.

5. Install chemical nozzle (A).

NOTE: Chemical nozzle is black with brass body.



OM24019,25D -19-26MAR97

TS206 -UN-23AUG88

TYB3230 -UN-19MAR97

6. Start washer and squeeze gun trigger. Chemical solution should flow up the clear siphon hose and the mixture should start to spray after the clear water spray. If it does not, check to make sure that injector hose is in the cleaning solution and not plugged. Siphon ratios will vary due to temperature and viscosity of detergent.

NOTE: Chemical flow rate (concentration) can be adjusted using knurled brass knob (A) (for AC2400G) or red plastic knob (B) (for AC2700G and AC3300G washers). Turn knob counterclockwise for increased chemical flow (higher concentration).

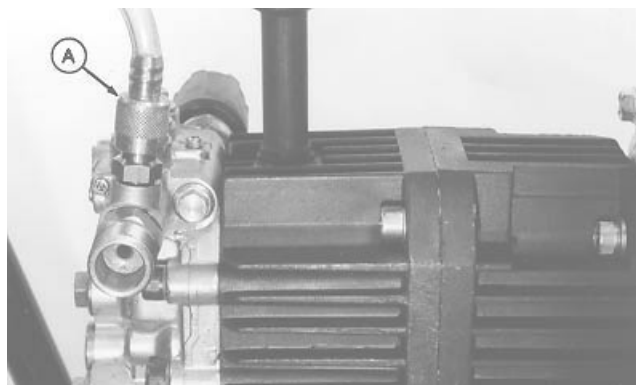
7. To help avoid streaking, apply solution to the lower surface and move up, using long overlapping strokes. Allow solution to soak for several minutes.

IMPORTANT: Remember that high pressure spray can gouge soft woods, damage other materials and loosen grout.

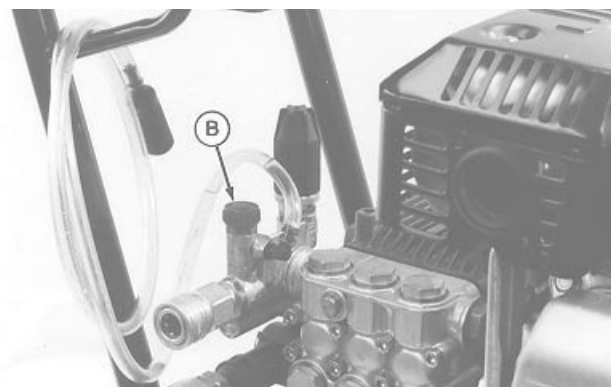
8. Install a pressure nozzle. With the nozzle 6 to 10 inches (15 to 25 cm) and at an angle to the surface, power rinse the area from the top down.

9. If surface is not clean, repeat the above procedures.

IMPORTANT: To avoid damage and contamination with other chemicals, siphon a gallon (3.78 L) of clear water through the system after each use.



AC2400G Illustrated



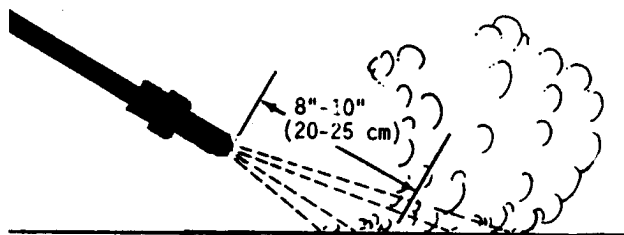
AC2700G Illustrated

OM24019,25E -19-26MAR97

CLEANING HORIZONTAL SURFACES

Move nozzle wand from side-to-side. Direct spray at an angle to force debris ahead and away from the cleared area.

Depending on the material to be removed and nozzle pressure, hold nozzle end 8—10 in. (20—25 cm) from the surface and use slow, overlapping strokes. If debris is easy to remove, move nozzle back to cover more area for faster cleaning.



OM24019,35AF -19-26MAR97

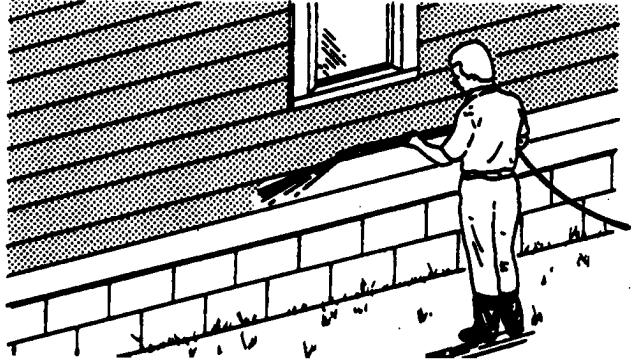
CLEANING VERTICAL SURFACES

IMPORTANT: Washer can deliver a high pressure spray that can break glass and damage soft wood and other materials.

When cleaning buildup interiors or exteriors without detergents, work from top to bottom. This will help eliminate streaks. In interiors, start with the ceiling first, then the walls and the floor last.

Clean around windows carefully. If glass panes are not well-caulked and puttied, the high pressure spray could break the glass.

Never spray directly overhead. Always spray ahead to avoid dripping or falling debris.



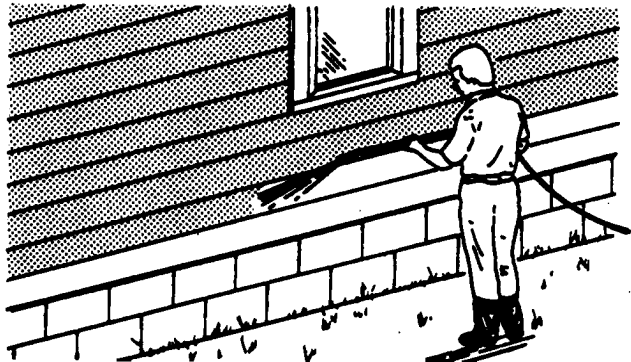
TY13745 -UN-23FEB89

OM24019,35AH -19-26MAR97

REMOVING PAINT

IMPORTANT: High pressure spray can damage soft woods and other materials, as well as loosen grout.

1. Direct spray at a 45 angle about 4—12 in. (101—305 mm) from surface.
2. Spray in a back and forth motion; try to get beneath the loose and bubbled paint.
3. Do not be concerned with the paint that remains. It should be sufficiently bonded so as not to cause repainting problems.
4. Some remaining paint may curl up at the edges. These edges should be scraped with a steel brush or scraper just before painting.



TY13745 -UN-23FEB89

OM24019,25F -19-26MAR97

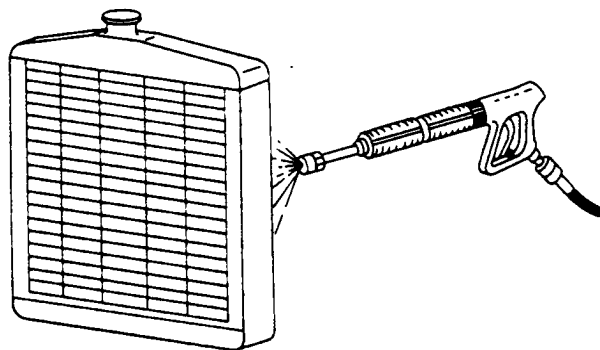
CLEANING RADIATOR FINS

IMPORTANT: Some engine and radiator manufacturers may not permit cleaning radiators with a high pressure washer. See equipment Operator's Manual.

1. Use clean water without detergent.

IMPORTANT: Spray straight into the radiator to prevent bending fins.

2. If possible, direct spray in the direction opposite to normal air flow through the radiator.



TY15477 -UN-28APR89

OM24019,35AJ -19-26MAR97

SHUT-DOWN

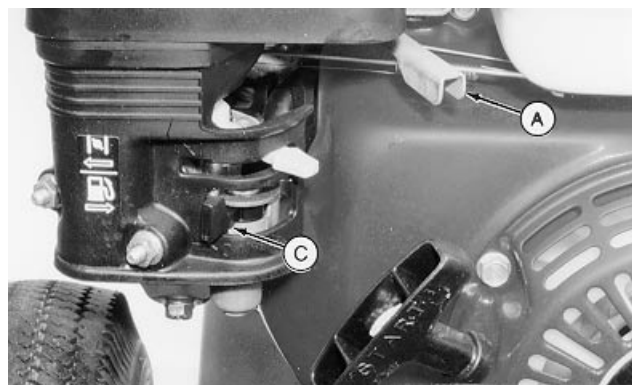
IMPORTANT: Shut-down procedures should be followed at the end of each cleaning operation.

1. If a chemical was used, place chemical inlet strainer in CLEAN water and operate trigger to spray water for a period of three minutes. This will flush the system of chemicals and help avoid the chemical valve sticking or corrosion.

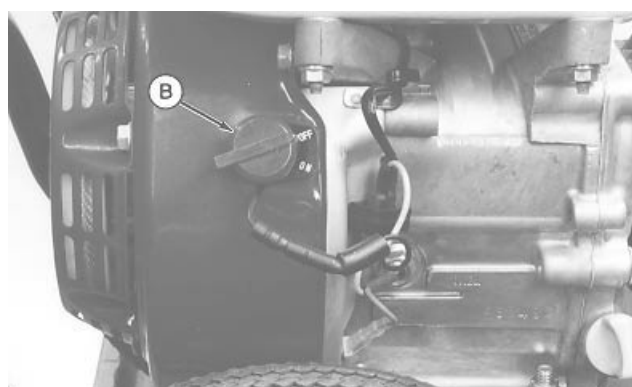
2. Run engine at idle for 2—3 minutes. Stop engine by moving throttle (A) fully to the right, turning engine switch (B) to "OFF" position, and moving fuel valve (C) left to off position. (AC2400G illustrated.) Trigger gun to relieve pressure.

3. Turn inlet water supply off. Squeeze trigger momentarily to relieve pressure. Disconnect hoses.

4. Allow engine to cool, then wipe washer down with a damp cloth.



TYB3160 -UN-11FEB97



TYB3161 -UN-11FEB97

OM24019,25G -19-26MAR97

Fuels and Lubricants

FUEL

CAUTION: Risk of fire. Do not add fuel when the product is operating. Allow engine to cool for 2 minutes before refueling. Do not smoke when filling tank.

Use clean, fresh, lead-free gasoline. Do not use stale gasoline or gasoline that has been stored for a long time. Stale gasoline does not vaporize properly, causing hard starts. Use of TY15977 gasoline stabilizer is highly recommended. Use of leaded gasoline or gasohol is NOT recommended.

IMPORTANT: Do not mix oil with gasoline.

OM24019,40AL -19-26MAR97

FILLING FUEL TANK

CAUTION: Handle fuel carefully:

- Stop engine and allow to cool before refueling.
- Fill tank outdoors.
- Do not smoke around fuel.
- Avoid spilling fuel. Do not overfill fuel tank. (There should be no fuel in filler neck.)
- Wipe clean after refueling.
- Move from refueling area before starting.

IMPORTANT: Do not permit dirt or other foreign matter to enter the fuel system. This will cause hard starting, poor performance and engine damage. Always use clean fuel storage containers and funnels.

1. Wipe dust and dirt from around fuel tank (A). Remove cap and place in a clean area.
2. Fill tank to bottom of filler neck.
3. Install and tighten fuel cap.



TYB3153 -UN-11FEB97

OM24019,30A -19-26MAR97

GASOLINE ENGINE OIL

Use oil viscosity based on the expected air temperature range during the period between oil changes.

The following oil is preferred:

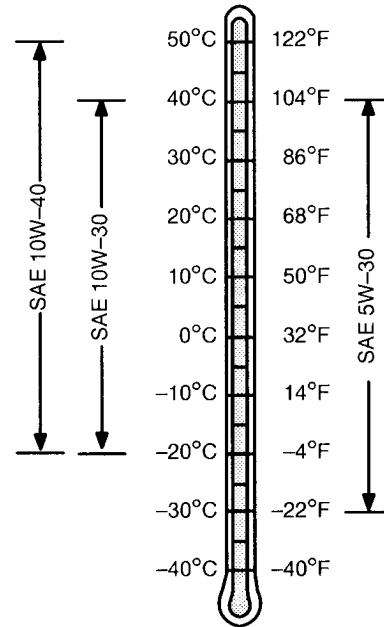
- John Deere TURF-GARD™

The following oil is also recommended:

- John Deere PLUS-4®

Other oils may be used if they meet one or more of the following:

- API Service Classification SH
- API Service Classification SG
- CCMC Specification G4
- CCMC Specification G5



DX,ENOIL2

-19-18MAR96

TS1649 -UN-14MAR96

Troubleshooting

Symptom	Problem	Solution
Pump Runs But There Is No Water Flow From Nozzle	Water is turned off	Check incoming water supply.
	Obstruction in nozzle	Clean or replace nozzle.
Pump Runs But Has Low Spray Pressure	Inadequate inlet water supply	Check size of water hose and provide specified inlet water volume and pressure. Check for adequate water flow to pump.
	Chemical nozzle installed	Install pressure nozzle.
	Air leak	Tighten connections.
	Foreign matter in pump valves	See your John Deere dealer
	Belt slipping (AC2500G)	Tighten belt.
Pump Runs But There is Erratic, Fluctuating Pressure	Inadequate inlet water supply	Use larger I.D. size of hose and provide specified inlet water pressure and volume.
	Inlet water screen is clogged	Clean screen every 25 hrs. or as necessary
	Air entering water lines	Check inlet hose connection for tightness. Make sure chemical valve is closed. Prime washer.
Water Flows from Nozzle When Trigger is Released	Gun malfunctioning	See your John Deere Dealer
Pump oil is white or milky color	Water in oil	Change oil. Avoid directing water spray at pump.
No Soap (Accessory)	Strainer plugged	Clean strainer
	Soap valve plugged	Use air pressure to clear or see your John Deere Dealer.
	Chemical nozzle not installed.	Install chemical nozzle.
	Nozzle assembly restricted or plugged	Clean nozzle.
Water leaks from brass valve on pump	Heat valve opening to protect pump	Do not run washer with gun trigger closed for more than 3 minutes. Trigger gun to close valve.

Troubleshooting

Symptom	Problem	Solution
Engine Does Not Start	Fuel tank empty	Fill fuel tank
	Washer on too steep of slope causing low oil switch to engage.	Level washer.
	Low oil level causing low oil switch to engage.	Add oil
	Improper fuel	Use correct fuel.
	Old fuel	Use fresh fuel.
	Spark plug wire loose or disconnected	Connect spark plug
	Spark plug not gapped correctly	Check and set spark plug gap
	Spark plug failed	Install new spark plug
	Ignition parts failed	See your John Deere dealer.
Engine Starts Hard or Loses Power	Dirt or water in fuel tank	Drain and clean fuel tank
	Vent in gas cap plugged	Clean vent or install new gas cap.
Engine Starts Hard or Loses Power	Air cleaner element dirty.	Clean or replace air cleaner element.
	Spark plug not gapped correctly	Check and set spark plug gap.
	Spark plug failed	Install new spark plug
	Ignition parts failed	See your John Deere dealer.
	Dirt or water in fuel tank	Drain and clean fuel tank.
	Vent in gas cap plugged	Clean vent or install new gas cap
	Air cleaner element dirty	Clean or replace air cleaner element.
	Spark plug not gapped correctly	Check and set spark plug gap
	Spark plug failed	Clean, regap and tighten spark plug
Engine Starts Hard or Loses Power	Spark plug failed	Install new spark plug.
	Ignition parts failed	See your John Deere dealer.
	Cylinder exhaust ports plugged	See your John Deere dealer.

Continued on next page

Troubleshooting

Symptom	Problem	Solution
Engine Runs Erratically	Carburetor out of adjustment	See your John Deere dealer
	Spark plug failed	Install new spark plug
	Spark plug not gapped correctly	Check and set spark plug gap
	Cooling fins are plugged	Clean cooling fins
Engine Idles Poorly	Air filter element dirty	Clean or replace element
	Carburetor out of adjustment	See your John Deere dealer
	Cooling fins plugged	Clean cooling fins
Engine Overheats	Blower housing or cooling fins plugged	Clean blower housing and cooling fins.

OM24019,35B -19-26MAR97

Engine Service

MAINTENANCE CHART

	First 20 Hrs.	Every 25 Hrs.	Every 100 Hrs.	Every 250 Hrs.	Every 300 Hrs.
Clean Air Filter			X (2)		
Change Air Filter					X (3)
Change Engine Oil	X (1)		X		
Clean and Gap Spark Plug		X			
Change Spark Plug					X
Clean Sediment Cup		X			
Adjust Idle Speed					X (4)
Adjust Valve Clearance					X (4)
Change Pump Oil	X (1)			X	
Clean Inlet Water Screen		X			
Clean Siphon Hose Strainer		X			
Check/Adjust Belt Tension (AC2500G Only)		X			

(1) Perform oil change after first 20 hours of use and then at recommended intervals.

(2) Service more frequently when used in dusty areas.

(3) Replace paper element only.

(4) Should be serviced by authorized dealer unless owner has proper tools and is mechanically proficient.

OM24019,35C -19-26MAR97

SERVICING AIR CLEANER

NOTE: AC2400G illustrated. Other washers similar in appearance. Procedure same for all washers.

1. Remove wing nut (A) and remove air cleaner cover.
2. Remove second wing nut (B) to remove air cleaner assembly.
3. Separate air cleaner elements. Check both elements for holes or tears. Replace if damaged.
4. Wash foam element (C) in solution of household detergent and warm water. Rinse thoroughly and allow to dry thoroughly. Soak element in clean engine oil. Squeeze out excess oil.

NOTE: Engine will smoke during initial start-up if too much oil is left on foam.

5. Remove excess dirt from paper element (D) by tapping lightly on hard surface, or by blowing compressed air from inside the element. Do NOT brush dirt. Brushing will force dirt into element fibers. Replace paper element after 300 hours, or if excessively dirty.
6. Install air cleaner in reverse order as removed.



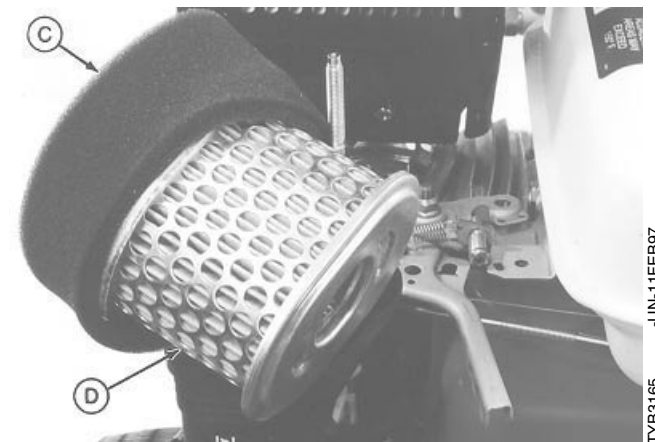
-UN-11FEB97

TYB3163



-UN-11FEB97

TYB3164



-UN-11FEB97

TYB3165

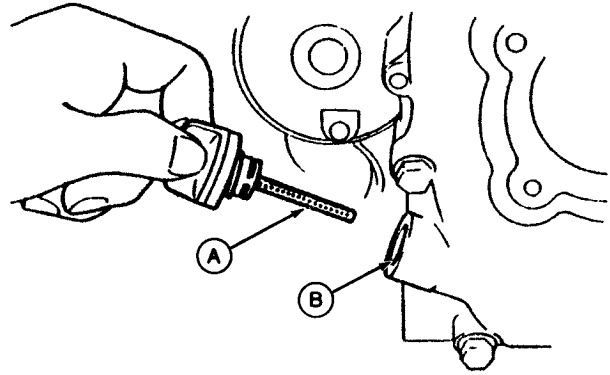
OM24019,35D -19-26MAR97

CHECKING ENGINE OIL

NOTE: AC2400G illustrated.

1. Stop engine.
2. Place unit on level surface.
3. Remove oil filler cap/dipstick and wipe it clean.
4. Insert filler cap/dipstick into oil filler neck, but DO NOT screw it in.
5. Remove dipstick. Proper oil level is at midpoint of dipstick (A). Add oil if necessary to bring oil level to top of threads (B).
6. Install and tighten cap/dipstick.

NOTE: Oil can be checked using filler cap on either side of engine.



TYB3216 -UN-19MAR97

OM24019,35E -19-26MAR97

GASOLINE ENGINE OIL

Use oil viscosity based on the expected air temperature range during the period between oil changes.

The following oil is preferred:

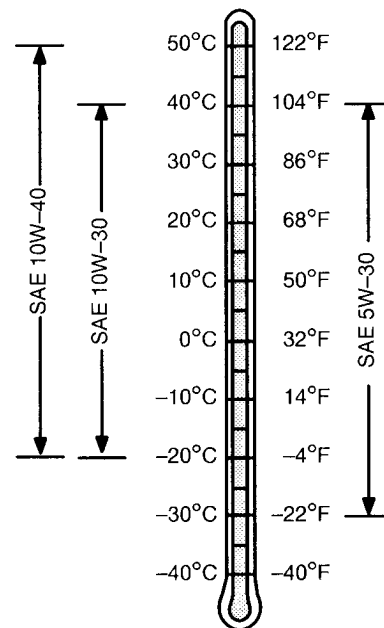
- John Deere TURF-GARD™

The following oil is also recommended:

- John Deere PLUS-4®

Other oils may be used if they meet one or more of the following:

- API Service Classification SH
- API Service Classification SG
- CCMC Specification G4
- CCMC Specification G5



TS1649 -UN-14MAR96

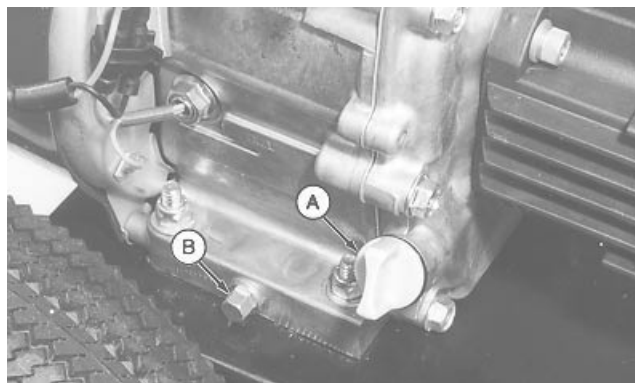
DX,ENOIL2 -19-18MAR96

CHANGING ENGINE OIL

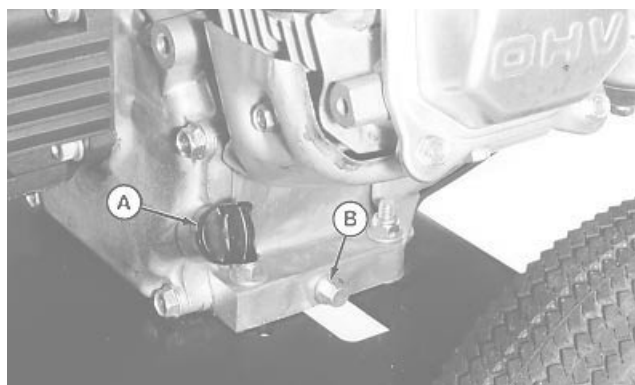
IMPORTANT: Change oil after first 20 hours of operation and every 100 hours thereafter.

NOTE: AC2400G illustrated.

1. Put unit on level surface.
2. Run engine a few minutes to warm oil.
3. Stop engine.
4. Remove oil filler cap (A) and drain plug (B) from either side of engine to drain oil into container. Do not pollute; dispose of waste oil properly.
5. Install drain plug (B). Fill with oil to top of threads. Install cap. Oil capacity is:
AC2400G and AC2700G—0.6L (0.63 qts.)
AC2500G and AC3300G—1.1L (1.16 qts.)



TYB3167 -JUN-11FEB97



TYB3168 -JUN-11FEB97

OM24019,35F -19-26MAR97

CLEANING AND GAPPING SPARK PLUG

1. Remove and inspect spark plug.

If porcelain is cracked or electrodes are pitted, install a new spark plug. (See Step 5.)

IMPORTANT: Do not clean spark plug in a machine using abrasives.

2. If spark plug is in good condition, clean plug by scraping or using a wire brush. Wash with a commercial solvent.
3. Use a round wire-type feeler gauge to check for a gap of 0.70—0.80 mm (0.028—0.031 in.).
4. Carefully bend outer electrode to adjust gap.
5. Install spark plug.

Reinstalling used plug: Tighten 1/8-1/4 turn after spark plug seats to compress washer.

Installing new plug: Use BPR6ES (NGK) or W20EPR-U (Nippondenso) plug. Tighten 1/2 turn after spark plug seats to compress washer.



TY8335 -UN-07SEP88

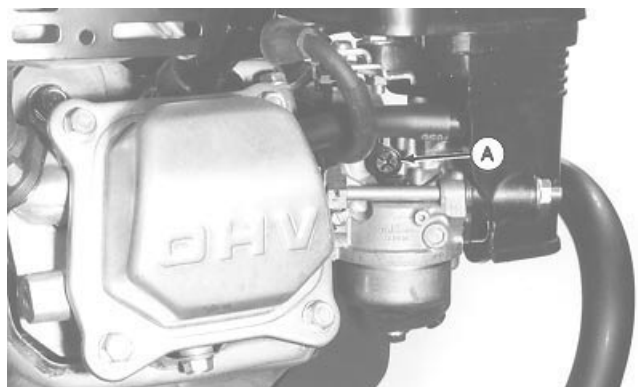
OM24019,35G -19-26MAR97

ADJUSTING IDLE SPEED

1. Start engine. Allow it to warm to normal operating temperature.
2. With engine idling, turn throttle stop screw (A) to obtain standard idle speed.

NOTE: Standard idle speed is 1250—1550 rpm.

NOTE: Idle should be serviced every 300 hours by authorized dealer. Operator should adjust only if mechanically proficient and using proper tools.



TYB3201 -UN-11FEB97

OM24019,35H -19-26MAR97

CLEAN SEDIMENT CUP

⚠ CAUTION: Clean sediment cup in a well ventilated area, away from sparks or flame, including any appliance with a pilot light. Do not use gasoline or a low flash-point solvent to clean the fuel valve. A fire or explosion could result.

NOTE: AC2400G illustrated, but procedure is the same for other washers.

NOTE: Clean sediment cup after every 100 hours of use.

1. Turn fuel valve (A) to left as illustrated to shut off the fuel flow.
2. Remove cap screw (B) with 10 mm wrench, and remove sediment cup (C) and O-ring.
3. Remove any sediment or other foreign matter and wash in nonflammable or high flash point solvent. Dry thoroughly.
4. Install O-ring and sediment cup with cap screw.
5. Turn fuel valve right to ON position and check for fuel leaks.



OM24019,35J -19-26MAR97

-UN-23AUG88

TS227

-UN-11FEB97

TYB3169

Pump Maintenance

MAINTENANCE CHART

	First 20 Hrs.	Every 25 Hrs.	Every 100 Hrs.	Every 250 Hrs.	Every 300 Hrs.
Clean Air Filter			X (2)		
Change Air Filter					X (3)
Change Engine Oil	X (1)		X		
Clean and Gap Spark Plug		X			
Change Spark Plug					X
Clean Sediment Cup		X			
Adjust Idle Speed					X (4)
Adjust Valve Clearance					X (4)
Change Pump Oil	X (1)			X	
Clean Inlet Water Screen		X			
Clean Siphon Hose Strainer		X			
Check/Adjust Belt Tension (AC2500G Only)		X			

(1) Perform oil change after first 20 hours of use and then at recommended intervals.

(2) Service more frequently when used in dusty areas.

(3) Replace paper element only.

(4) Should be serviced by authorized dealer unless owner has proper tools and is mechanically proficient.

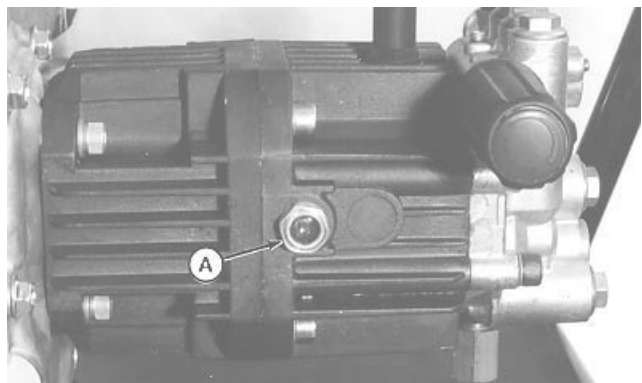
OM24019,35C -19-26MAR97

CHECKING WATER PUMP OIL

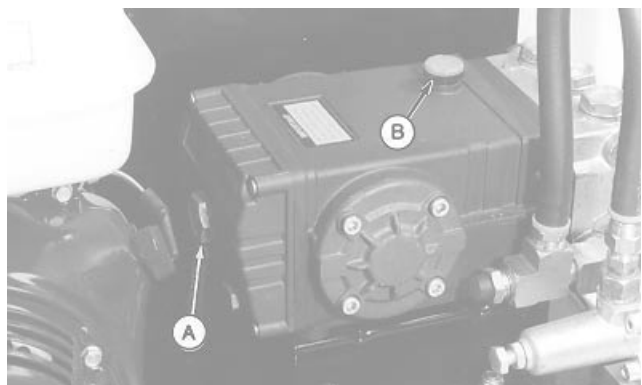
IMPORTANT: If oil is white or foaming, water is in the oil reservoir. Change oil.

NOTE: Water in oil occurs as a result of spray or condensation. Milky oil is not indicative of a pump malfunction.

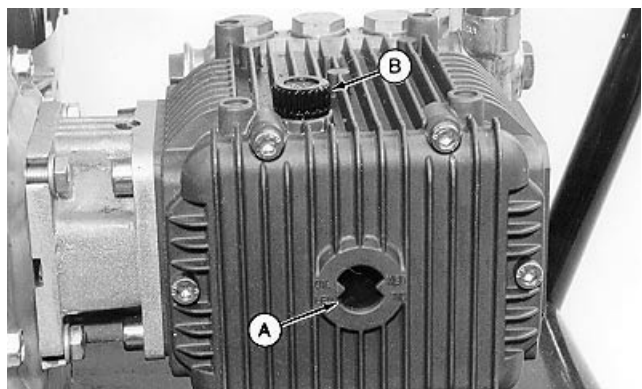
1. Stop engine.
2. Put unit on level surface.
3. Oil level can be checked as follows:
 - ALL MODELS—View level through clear indicator (A). Oil should fill sight glass.
 - Additional method for AC2500G, AC2700G and AC3300G ONLY—Remove dipstick (B) and wipe clean. Put dipstick in hole. Remove dipstick and check level. Oil level should be located at notch (C) on AC2500G and at dipstick ring (D) on AC2700G and AC3300G.
4. Add HY-GARD® or SAE-30 non-detergent oil if necessary. Do not overfill.



AC2400G



AC2500G



AC2700G and AC3300G



CHANGING WATER PUMP OIL

IMPORTANT: Change pump break-in oil after first 20 hours of operation and at 250 hour intervals thereafter.

1. Put unit on level surface.
2. With water flowing through pump, run unit for a few minutes to warm oil.
3. Stop engine and close water supply.
4. Remove drain plug (A) to drain oil into container. Do not pollute; dispose of waste oil properly.

NOTE: Drain plug (A) is located on bottom of pump on AC2400G, AC2700G and AC3300G washers. It is located at front end of pump on AC2500G.

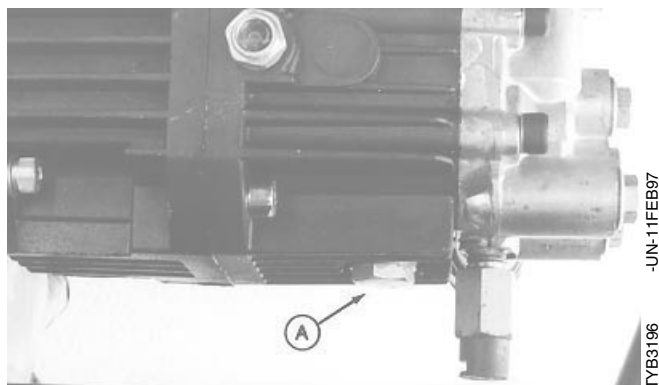
5. Add HY-GARD® or SAE30 non-detergent oil through fill tube (B) on AC2400G or through dipstick holes in other models. Fill to sight glass or to notch/ring in dipstick. Oil capacity is:

AC2400G—6.5 oz. (0.20 qt., 0.19L)

AC2500G—40.6 oz. (1.27 qt., 1.20L)

AC2700G—18 oz. (0.56 qt., 0.53L)

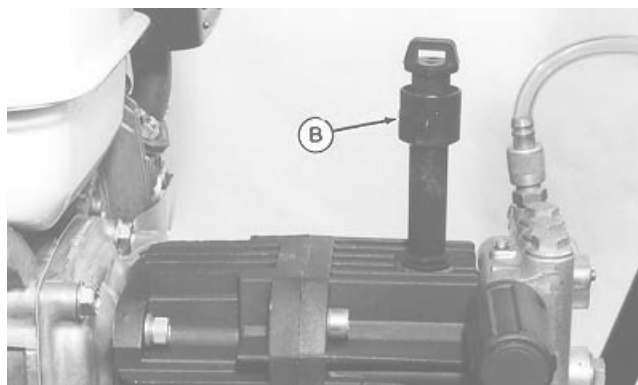
AC3300G—18.5 oz. (0.58 qt., 0.55L)



AC2400G



AC2500G



AC2400G

OM24019,40B -19-26MAR97

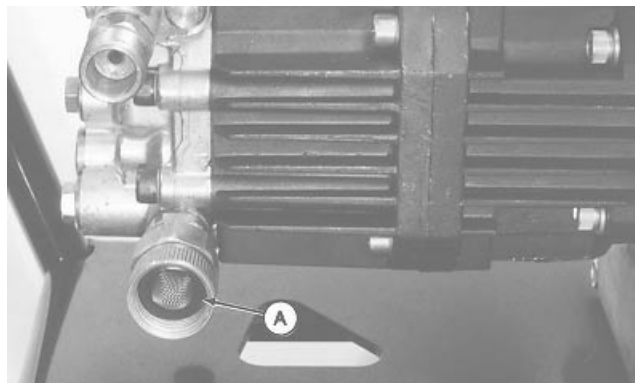
CLEANING INLET WATER SCREEN— AC2400G, AC2700G AND AC3300G

IMPORTANT: Do not operate washer with inlet water screen removed. Foreign material may enter and damage pump or valves.

Inspect cone-shaped screen (A) every 25 hours or more often as necessary for build-up of scale, dirt and grit. Clean, if necessary, by removing and back-flushing with compressed air or clean water.

Replace screen if corroded or broken.

Install cone-shaped screen pointing out.



TYB3154 -UN-11FEB97

OM24019,40C -19-26MAR97

CLEANING INLET WATER SCREEN—AC2500G

IMPORTANT: Do not operate washer with water inlet screen removed. Foreign material may enter and damage pump or valves.

Remove the sediment bowl (A) and inspect the inlet screen periodically for build-up of scale, grit and dirt. Clean as necessary. If screen is corroded or broken, replace it.



TYB3192 -UN-11FEB97

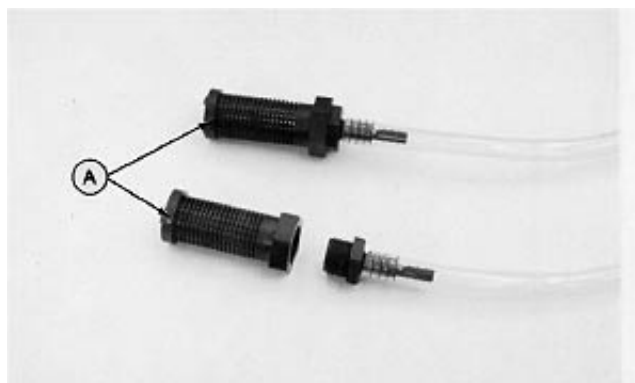
OM24019,40D -19-26MAR97

CLEANING SIPHON HOSE STRAINERS (ACCESSORY ON AC2500G)

Check siphon hose strainer (A) every 25 hours for detergent or contaminant build-up.

Unscrew strainer from hose and back flush with clean water.

NOTE: If strainer frequently becomes plugged, check cleaning solution to be sure it is thoroughly mixed.



TY15485 -UN-20APR89

OM24019,40E -19-26MAR97

ADJUST BELT TENSION— AC2500G ONLY

NOTE: Check/adjust belt tension after every 25 hours of use.

1. Twist locking screw (A) 1/4 turn and lift off belt guard.
2. Inspect belts for wear, cracks or fraying. Replace belts if damaged.



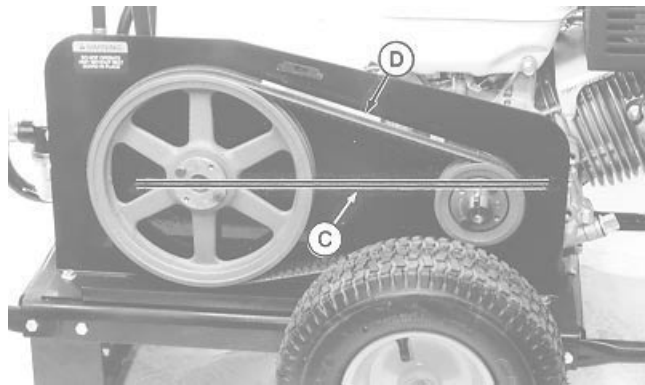
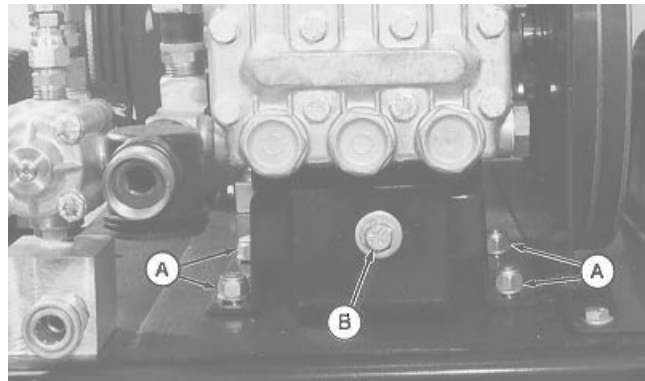
OM24019,40F -19-26MAR97

NOTE: Water inlet filter removed for illustration.

3. Loosen four bolts (A) holding pump mounting bracket to chassis.
4. Tighten adjusting cap screw (B) to take slack out of belt.
5. In the four-bolt pattern that holds the pump mounting bracket to chassis, first tighten mounting bracket corner bolt which is closest to both the motor and the belts. (Right rear bolt in illustration.)
6. Continue tightening adjusting cap screw (B) until pulleys are aligned parallel to straightedge (C), and 13 mm (1/2 in.) deflection occurs at belt midpoint (D) when belt is depressed with finger.

NOTE: Process may have to be repeated several times to maintain pulley alignment while producing 13 mm (1/2 in.) belt deflection.

7. Tighten all four pump mounting bracket bolts (A).
8. Install guard.



OM24019,40G -19-26MAR97

Storage

STORING THE WASHER

IMPORTANT: Protect washer from freezing temperatures. If unit will experience freezing conditions, pump must be filled with antifreeze to prevent cracking of pump manifold and relief valve due to water expansion. Draining alone will not remove all the water.



CAUTION: If the washer will be used where food is prepared, stored or consumed, or where sanitation is required, use a non-toxic antifreeze.

1. Stop engine.
2. Change engine oil (See Service Section).
3. Add TY15977 Gasoline Stabilizer as directed on label.
4. With water flowing through gun, run engine five minutes to draw stabilized gasoline into carburetor. Stop engine.
5. Close water supply and remove inlet supply hose. Install short piece of hose on water inlet. Fill short hose with water, cap open end with finger and place in a container of TY8261 John Deere Rust Inhibiting Antifreeze.

6. Start engine, place nozzle into container and trigger gun for 30 seconds.

NOTE: Trigger must be released to pull antifreeze into relief valve.

7. Release trigger for 30 seconds to direct antifreeze into relief valve.

IMPORTANT: Dispose of the sprayed solution according to instructions on the antifreeze container.

8. Disconnect supply line.
9. Turn fuel valve to "OFF" position.
10. Remove spark plug and squirt 10 cc of 2 cycle oil into cylinder. Turn crankshaft over 5 times to distribute the oil throughout cylinder.
11. Install spark plug and pull starter handle slowly until compression is felt and stop there.



TYB3191 -UN-11FEB97

REMOVING WASHER FROM EXTENDED STORAGE

1. Prepare washer as previously directed. Connect and open water supply. Squeeze trigger on gun. Allow water to run (without engine running) until water runs out of pressure hose. Dispose of antifreeze solution according to the instructions on the antifreeze container.

TY,STOR,A -19-26MAR97

Accessories

CHEMICAL VALVE—TY20435 (AC2500G ONLY)

The chemical injector is installed between the pump and high pressure hose and is adjustable to provide chemical proportioning at 100 psi.



OM24019,50A -19-26MAR97

TYB3217 -UN-19MAR97

HIGH PRESSURE HOSES— TY8332 (AC2400G ONLY)

IMPORTANT: DO NOT use more than 1 extension hose. The higher restriction will cause the relief valve to function all the time.

An additional pressure hose may be connected to existing hose. This allows the operator to move around a greater distance without moving the unit.



TY24019OM,65A -19-26MAR97

TYB3218 -UN-20MAR97

HIGH PRESSURE HOSES— TY20414 (AC2500G, AC2700G ONLY) PT18749 (AC3300G ONLY)

IMPORTANT: DO NOT use more than 1 extension hose. The higher restriction will cause the relief valve to function all the time.

An additional pressure hose may be connected to existing hose. This allows the operator to move around a greater distance without moving the unit.



OM24019,50B -19-26MAR97

TY14784 -UN-23FEB89

GAUGE—TY8347 (AC2400G ONLY)

This glycerine filled gauge indicates working and relief pressures.



OM24019TY,65A -19-26MAR97

TYB2836 -UN-24OCT95

GAUGE—TY20425 (AC2700G, AC3300G ONLY) (STANDARD EQUIPMENT—AC2500G)

This glycerine filled gauge indicates tip pressure.



OM24019,50C -19-26MAR97

TYB1777 -UN-10JAN94

WATER FILTER—TY8342 (AC2400G, AC2700G, AC3300G ONLY) (STANDARD EQUIPMENT—AC2500G)

Use when water supply is a rural well to help filter incoming water.



OM24019,50D -19-26MAR97

TYB1799 -UN-10JAN94

ALL-PURPOSE CLEANER—TY8308

Use John Deere All Purpose Cleaner concentrate for most cleaning jobs. Contains water-soluble solvents for soil penetration on vehicles and is safe to use on rubber and wax finishes.



TY,ACC,AJ -19-11JAN94

TYB1703 -UN-30NOV93

SURFACE PREPARATION—TY8309

Use John Deere Surface Preparation to clean, remove mildew, and condition surfaces of all types of siding, farm buildings and mobile homes. It is safe to use on ferrous and non-ferrous metal surfaces and removes mildew stains and chalk build-up.



TY21674,AR -19-11JAN94

TYB1704 -UN-30NOV93

DEGREASING—TY8310

Apply John Deere Heavy-Duty Degreaser as directed by container label, allow to soak for a few minutes, then wash with all purpose cleaner. Rinse with clear water.

Cover sensitive parts such as air cleaner, electrical components, etc. when cleaning engines.



TY21674,AS -19-11JAN94

TY16020 -UN-17JAN92

SPRAY WAX—TY8277

Mix John Deere Spray Wax at a ratio of ONE ounce of wax to 1/2 gallon of water to give a long lasting finish to painted metal surfaces.



TY21674,AT -19-11JAN94

TYB1706 -UN-30NOV93

RUST-INHIBITING ANTIFREEZE—TY8261

Use John Deere Rust Inhibiting Antifreeze to help prevent rust and corrosion from occurring on carbon steel and cast iron, while protecting from damage due to freezing.



TY21674,AU -19-11JAN94

TYB1707 -UN-30NOV93

PLUS-4 MOTOR OIL—AR63231

John Deere Plus-4 Motor Oil is a superior, fuel efficient all-season engine oil.



TY21674,AV -19-11JAN94

TYB1708 -UN-30NOV93

GASOLINE CONDITIONER AND STABILIZER—TY15977

Use John Deere Gasoline Conditioner and Stabilizer to help prevent formation of gum or varnish in fuel system.



TY21674,AW -19-11JAN94

TYB1709 -UN-30NOV93

HY-GARD®—TY6354

Use John Deere HY-GARD® when adding or changing oil in pressure washer pump.



TY21674,AX -19-11JAN94

TYB1710 -UN-30NOV93

DETERGENT BOOSTER—TY8276

Use John Deere Detergent Booster at a ratio of ONE part detergent booster to THREE parts TY8308 Cleaner.



TY24019OM,65D -19-26MAR97

TYB1705 -UN-30NOV93

Specifications

SPECIFICATIONS

Item	Model AC2400G	Model AC2500G	Model AC2700G	Model AC3300G
Operating Pressure				
Measured At Pump Manifold . . .	2350-2400 psi (162-165 bar)	2375-2500 psi (164-172 bar)	2580-2720 psi (178-188 bar)	3250-3350 psi (224-231 bar)
Measured At Discharge				
Hose Outlet	2200-2250 psi (152-155 bar)	2375-2500 psi (164-172 bar)	2430-2570 psi (168-177 bar)	3100-3200 psi (214-221 bar)
Relief Pressure (Measured				
At Discharge Hose Outlet)	2400-2800 psi (165-193 bar)	Not Measurable At Outlet	2700-3100 psi (186-214 bar)	3300-3800 psi (228-262 bar)
Inlet Water Supply (Min.)	3.0 gpm (11.4 L/min)	5.50 gpm (20.8 L/min)	3.0 gpm (11.4 L/min)	4.13 gpm (15.6 L/min)
Pump Flow	2.2-2.4 gpm (8.3-9.1 L/min)	4.2-4.6 gpm (15.9-17.4 L/min)	2.2-2.4 gpm (8.3-9.1 gpm)	3.2-3.4 gpm (12.1-12.9 L/min)
Pump Oil Capacity	6.5 oz. (0.20 qt, 0.19L)	40.6 oz. (1.27 qt, 1.20L)	18 oz. (0.56 qt, 0.53L)	18.5 oz. (0.58 qt, 0.55L)
Nozzle Size Code	3.0	5.5	3.0	5.5
Engine				
Model	Honda GX160	Honda GX340	Honda GX200	Honda GX340
Horsepower	3.0	11.0	6.5	11.0
Spark Plug	BPR6ES (NGK)	BPR6ES (NGK)	BPR6ES (NGK)	BPR6ES (NGK)
Plug Gap	0.028-0.031 in. (0.70-0.80 mm)	0.028-0.031 in. (0.70-0.80 mm)	0.028-0.031 in. (0.70-0.80 mm)	0.028-0.031 in. (0.70-0.80 mm)
Engine Oil Capacity	0.63 qt (0.60L)	1.16 qt (1.10L)	0.63 qt (0.60L)	1.16 qt (1.10L)
Fuel Tank Capacity	0.95 gal (3.60L)	1.72 gal (6.51L)	0.95 gal (3.60L)	1.72 gal (6.51L)

OM24019,55A -19-26MAR97

RECORD SERIAL NUMBER

Write your model number, machine serial number and date of purchase in the spaces provided below. Your dealer needs this information when ordering parts.

NOTE: Serial number is located on right side of vertical face of base plate at front of pump. (Near base of handle.)

Model No. _____

Machine Serial No. _____

Date of Purchase _____
(To be filled in by purchaser)

OM24019,55B -19-26MAR97

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John Deere Service Literature Available

PARTS CATALOG

The parts catalog lists service parts available for your machine with exploded view illustrations to help you identify the correct parts. It is also useful in assembling and disassembling.



DX,PARTS -19-03MAR93

TS189 -UN-17JAN89

OPERATOR'S MANUAL

The operator's manual provides safety, operating, maintenance, and service information about John Deere machines.

An extra copy of the operator's manual is available. The operator's manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)



DX,OM -19-03MAR93

TS190 -UN-17JAN89

JOHN DEERE PUBLISHING BOOKS

Covering all types of vehicles, regardless of manufacturer, each book starts with basic theory and proceeds through complex systems. There are four series:

- Farm Business Management (FBM)
- Fundamentals of Machine Operation (FMO)
- Fundamentals of Service (FOS)
- Fundamentals of Compact Equipment Service (FCP)



DX,FMOFOS -19-02OCT95

TS1646 -UN-02OCT95

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Address _____

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Title	Order Number	Price Each	x Quantity	= Total
Parts Catalog—High Pressure Washers	PC2618		x	=
Operator's Manual—AC2400G, AC2500G, AC2700G, AC3300G—High Pressure Washers	OMTY24019		x	=
			x	=
			x	=
For current prices of John Deere Service Literature, please call 1-800-522-7448			x	=
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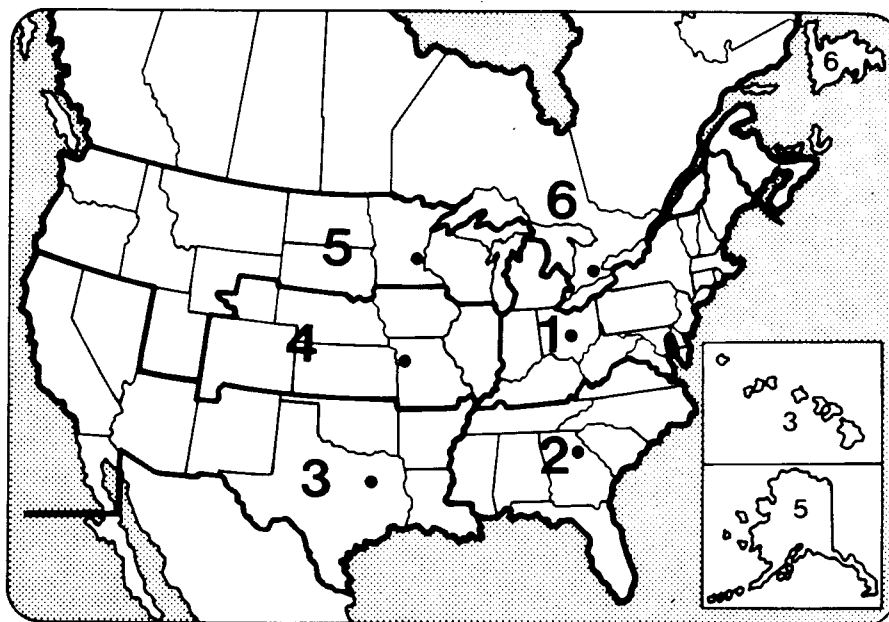
Check or money order in U.S.
Dollars enclosed Total
(Do not send cash or stamps)

Prices subject to change without notice.
SP-317 Jan-87

OM24019.SLIT -19-26MAR97

280598
PN=62

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- We maintain a large and varied parts inventory to help minimize downtime.
- Precision tools and testing equipment enable technicians to locate and correct troubles.
- We hold regular training schools for service technicians so they know your equipment and how to maintain it.
- Our goal is to provide prompt, efficient service through competent dealerships.

COMPLAINT-RESOLUTION PROCEDURE

Your dealer is the best and fastest source to solving any problems you may experience with your product.

1. Be prepared with the following information:
 - Machine model and product identification number
 - Date of purchase
 - Nature of problem
2. Discuss problem with dealer service manager.
3. If unable to resolve, see the dealership manager. Explain the problem and request assistance.
4. If you have a persistent problem your dealership is unable to satisfy, ask your dealer to contact the John Deere territory aftermarket manager for resolution.
5. If a problem is not resolved to your satisfaction, contact the appropriate John Deere sales branch for your area and ask to speak with the division aftermarket manager. (See map.)

