

9910 COTTON PICKER



JOHN DEERE

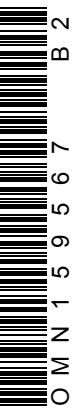
OPERATORS MANUAL

9910
COTTON PICKER

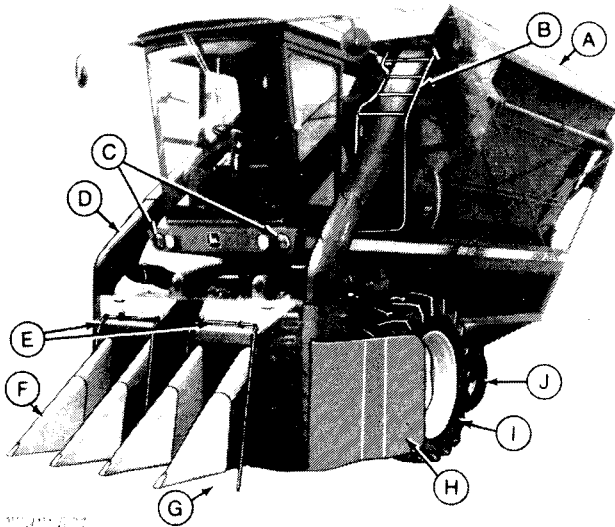
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Introduction



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- | | |
|--------------------------------|-----------------------|
| A—Basket | F—Stalk Lifters |
| B—Ladder | G—Height Control Shoe |
| C—Warning Lamps | H—Wheel Shield |
| D—Suction Duct | I—Drive Wheel |
| E—Picking Units
(High Drum) | J—Guide Wheel |



This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

“Right-hand” and “left-hand” sides are determined by facing in the direction the picker will travel when in use.

Record your picker model and serial numbers on page 105.

The warranty on this cotton harvester appears on your copy of the purchase order which you should have received from your dealer when making your purchase. 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.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. 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.

Measurements are shown with their respective Metric equivalents in parenthesis throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.

JOHN DEERE 9910 COTTON PICKER

After the picker has been completely assembled and lubricated, inspect it thoroughly to be sure it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment has been made.

Delivery Checklist

- Give the Operator's Manual to the customer.
- Explain all controls and operation of the picker.
- Stress the importance of regular lubrication service.
- Explain the hazards of operating mechanical cotton pickers.
- Explain the importance of proper storage procedures at the end of the season.
- Explain the transporting procedures that must abide with local governmental regulations.
- To the best of my knowledge, this machine has been delivered in good condition and is ready for field use. The customer has been fully informed as to the proper care and operation of the machine.

Signature

Date

After-Sale Checklist

- Make sure the picking units are adjusted and operate properly.
- Make sure all moistener pads are receiving water.
- Check the doffer for proper position.
- Check spindles and picker bars for looseness.
- Check drive belts and chains for proper tension.
- Check cooling system for leaks and antifreeze if required.
- Check fuel filter for sediment and clean if necessary.
- Check operation of the basket dump.
- Check battery cables for tightness.
- Check the general overall performance of the engine, transmission, and brakes.
- Stress again the importance of safety and regular lubrication.

Signature

Date

OWNER REGISTER

Name

R.R. No.

County State

Cotton Picker Model

Cotton Picker Serial No.

Engine Serial No.

Hydrostatic Pump Serial No.

Hydrostatic Motor Serial No.

Cab Serial No.

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Safety



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Operate Safely

DO NOT operate picker without reading this operator's manual.

DO NOT operate picker with more than one person on the platform.

DO NOT start engine with gears or levers engaged.

Come to a complete stop before reversing direction.

DO NOT operate close to a ditch or creek.

Slow down when turning.

Drive slowly over rough ground.

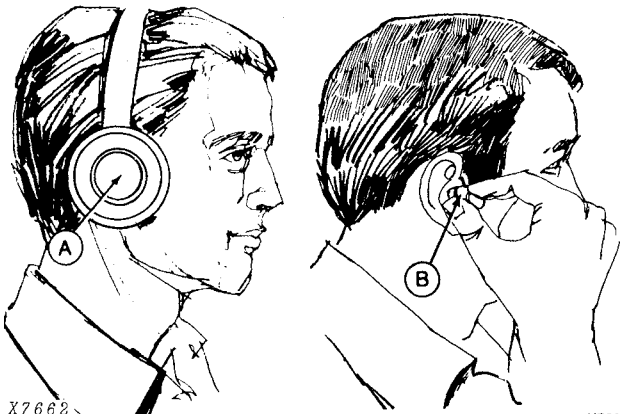
DO NOT dump on a slope or grade.

DO NOT dump when someone is near picker.

DO NOT dump near overhead wires.

DO NOT start engine unless gear shift lever is in neutral.

DO NOT drive the picker with the basket raised.



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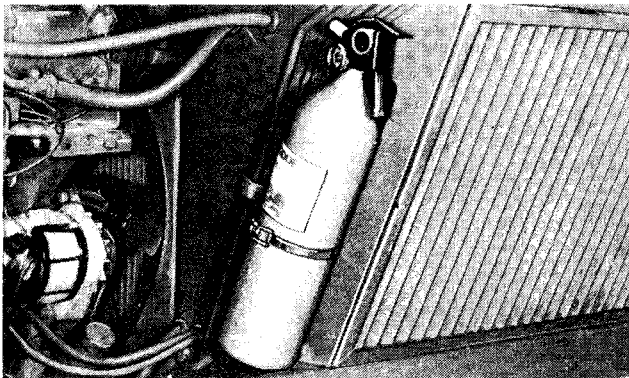
X7662

Protect Against Noise

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

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

A—Earmuffs
B—Earplugs



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Engine Mounted

Avoid Fires

DO NOT operate the picker without a fire extinguisher nearby.

Fire Extinguishers and mounting brackets are available to mount one near engine and one inside operator's cab (not shown). Order JD AT62018 and AT62019 from your John Deere dealer.

Avoid Fires (Continued)

To prevent plugging, engage fan before engaging picking units.

DO NOT dump basket near electrical wires.

DO NOT dump into the wind. Wind could blow lint onto a hot engine.

DO NOT refuel with the engine running.

DO NOT smoke or use a lantern when refueling.

Keep the engine and units free from trash.

Transport Safely

DO NOT transport without first raising the picking units.

When driving the cotton picker on a road or highway at night or during the day, use necessary lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

Check clearance before driving under electric wires, bridges, or through doorways. Remove or lower radio antenna.

DO NOT fail to latch the brakes together.

Stop slowly to avoid "nose-diving."

Keep the SMV emblem and reflectors clean and in place.

Avoid Contact With Moving Parts

SHUT OFF ENGINE AND REMOVE KEY BEFORE UNPLUGGING PICKER.

KEEP HANDS, FEET, AND CLOTHING AWAY FROM MOVING PARTS.

Practice Safe Maintenance

DO NOT oil or adjust picker when it is in motion.

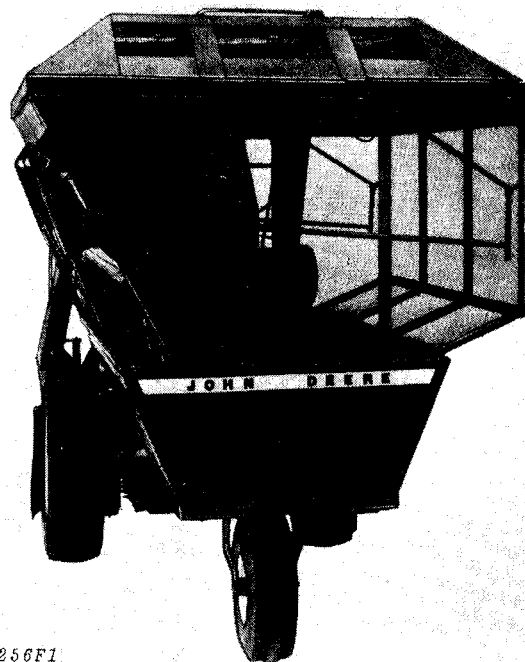
Raise picking units and shut off engine. Then set safety stops (bold arrow) on both lift cylinder rods before getting under the picking units.

DO NOT check the water level in a hot radiator.

Shut off engine and remove key when working on picker unless specifically told to leave engine running.

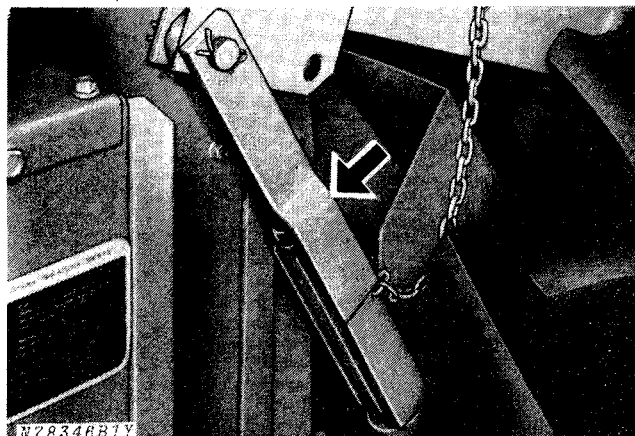
Replace any guards and shields removed for servicing.

Unauthorized modification to the machine may impair the function and/or safety and affect machine life.



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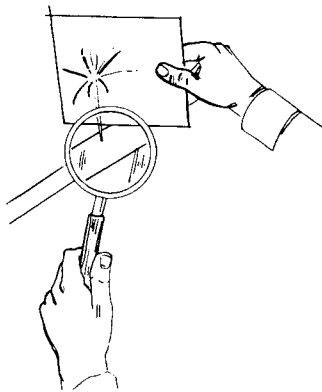
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Mounting Tires

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When seating tire beads on rims, never exceed 35 psi (241 kPa) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.



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Hydraulic Fluid

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve pressure. Before applying pressure, be sure connections are tight and lines, pipes and hoses are not damaged. Use a piece of cardboard or wood, rather than hands, to search for leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

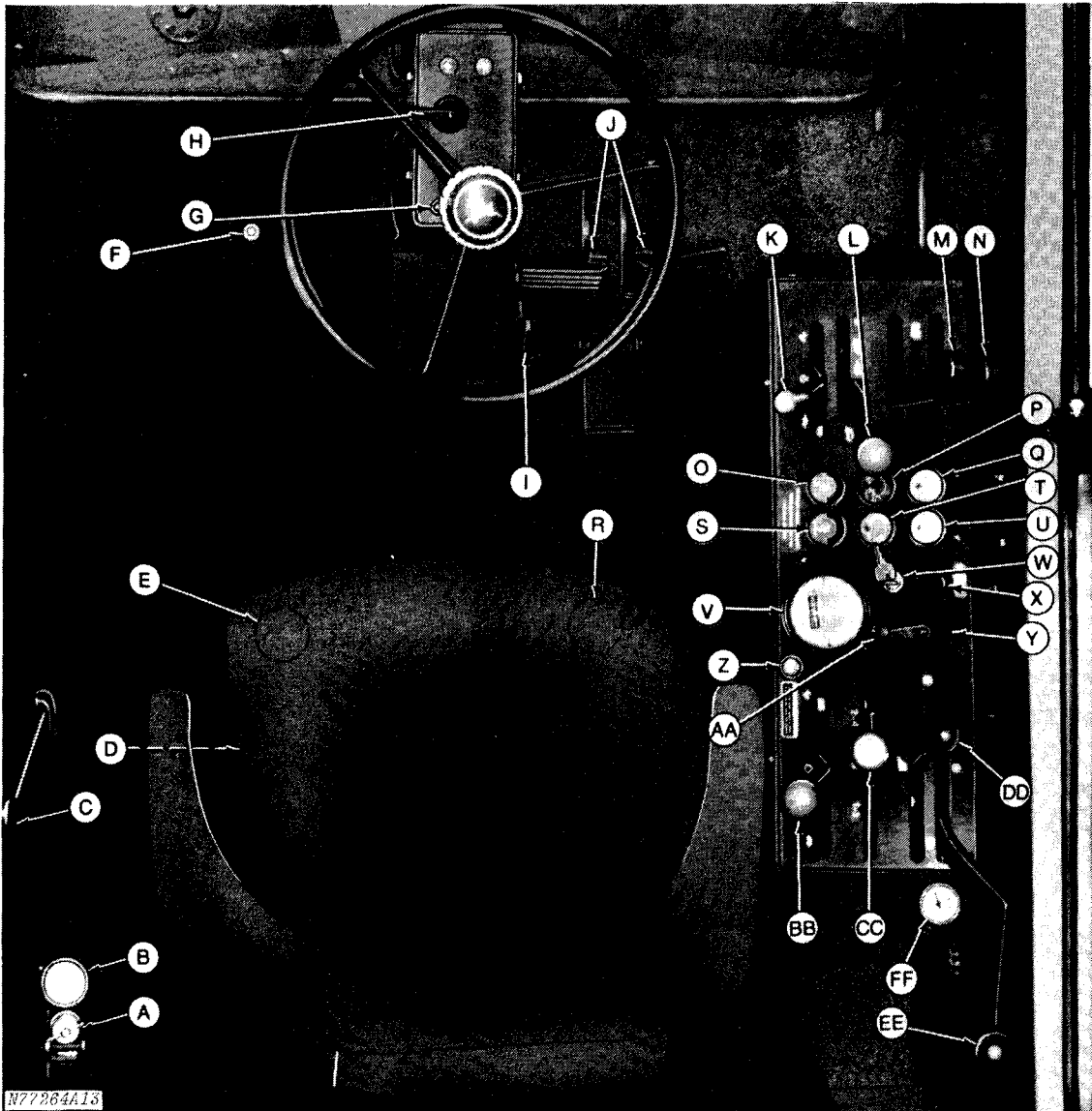
Battery Service

Failure to follow proper procedures when servicing a battery may produce an explosion which can result in serious injury or death. Do not attempt to service a battery unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or other qualified dealer.

Detailed battery information including necessary safety precautions are contained in John Deere Fundamentals of Service (FOS) Manual 20, Electrical Systems, available through your John Deere dealer. Such information is also available from battery and battery charger manufacturers.



Operator's Station

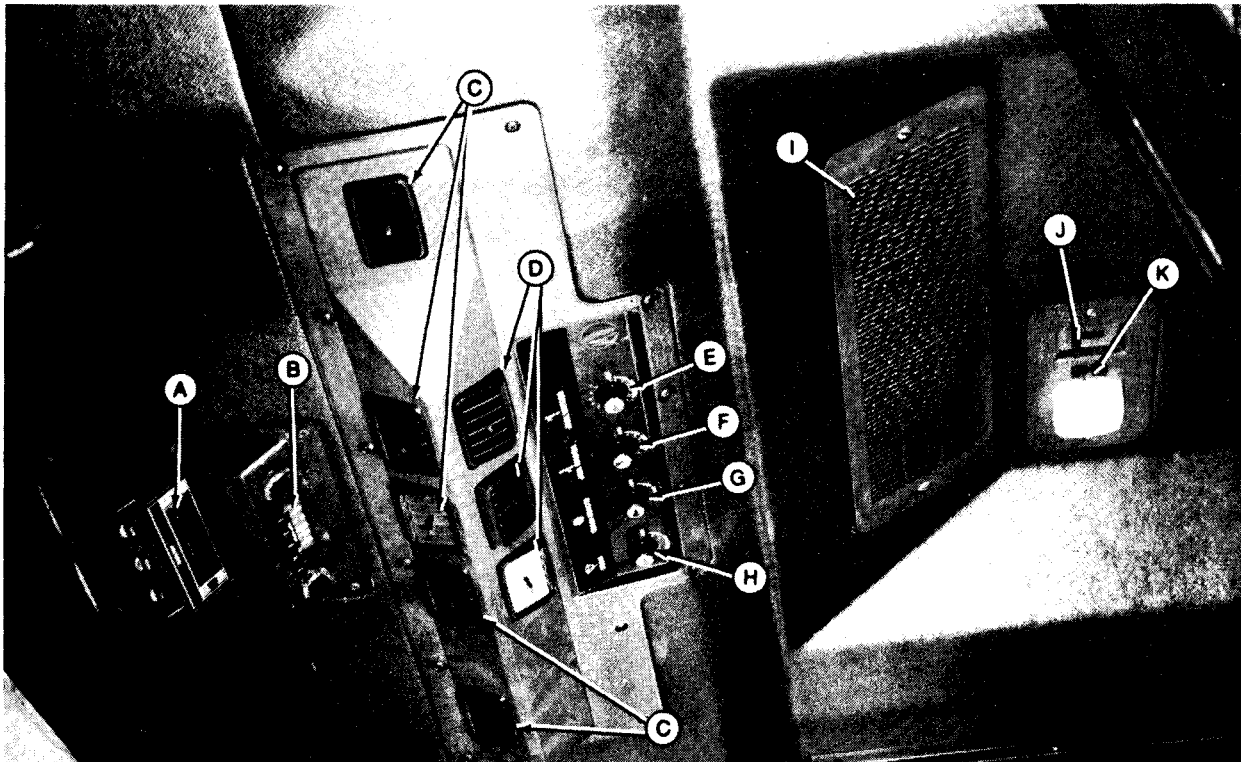


A—Water Pressure Regulator Handle
B—Water Pressure Gauge
C—Basket Dump and Compactor Control Lever
D—Seat Control Lever
E—(Regular Unit Lift) L.H. Stop Control Knob
F—Dimmer Switch
G—Guide Wheel Indicator Lamp
H—Turn Signal Controller
I—Pedestal Tilt Control Pedal
J—Brake Pedals
K—Throttle Lever

L—Hydrostatic Transmission Speed Range Lever
M—L.H. Unit Lift Lever
N—R.H. Unit Lift Lever
O—Hydraulic Oil Temperature
P—Engine Oil Pressure
Q—Fuel Gauge
R—(Regular Unit Lift) R.H. Unit Stop Control Knob
S—Air Filter Tel-light
T—Battery Charge/Discharge
U—Engine Water Temperature

V—Tachometer/Hour Meter
W—Key Switch
X—Flush Water System Control Knob
Y—Light Switch
Z—(Attachment) Push Button, Ether Starting Aid
AA—Hi-Beam Tel-Light
BB—Hi-Lo Range Lever
CC—Main Gearshift Lever
DD—Picking Unit Gearshift Lever
EE—Fan Lever
FF—Air Gauge

6 Operator's Station



N81239B4

A—Tape Player
B—Radio

C—Defogging Louver
D—Louver

E—Air Conditioning Control
F—Heater Control

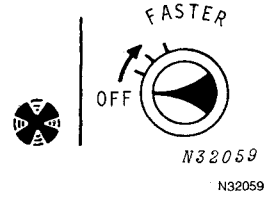
G—Blower Control
H—Wiper Control

I —Air Filter
J—Console Lamp
K—Light Switch

⚠ CAUTION: The air filter in the cab **WILL NOT** filter out harmful chemicals. When using or working with agricultural chemicals, follow the instructions given in the manufacturers instructions.

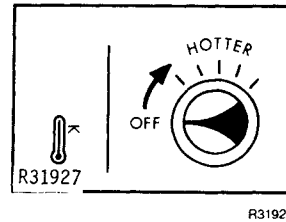
Blower

Operate blower with door and window closed.



Heater

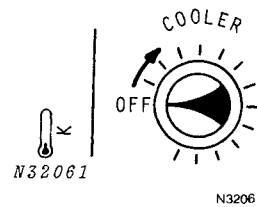
Control temperature with the heater and blower switch.



Air Conditioning (Temp.)

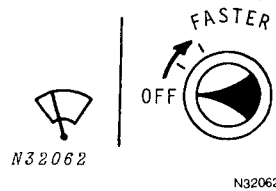
Blower switch must be on before air conditioner will operate.

Control humidity by also turning heater on.



Wiper

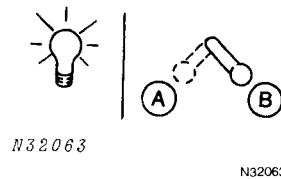
The wiper will return to its "Park" position when the switch is turned off.



Dome Light

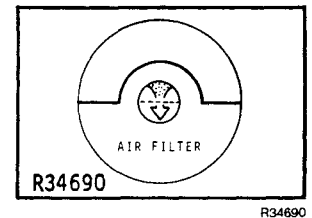
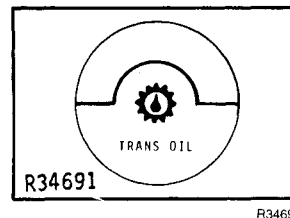
The light operates when main key switch is turned on.

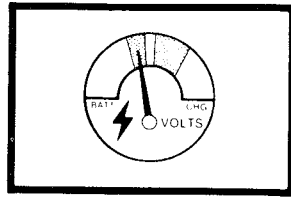
A—Off
B—On



Air Filter and Hydraulic and Hydrostatic Oil Indicators

Oil indicator and air filter indicator will light when key switch is in start position. If system is overheating or air filter needs to be replaced, indicator lights will glow when picker is operating.

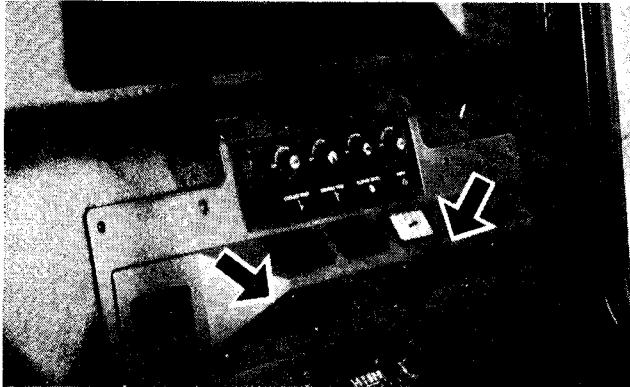




N35947

Voltmeter

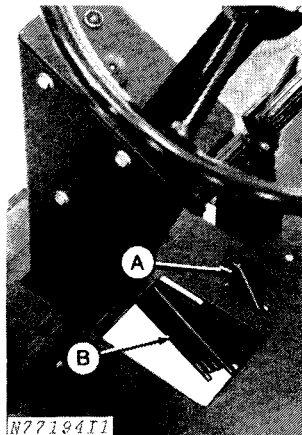
With key switch on and engine stopped, voltmeter should reach left-hand green range. If it doesn't, batteries are undercharged. With engine running, it should rise to right-hand green range. If needle stays in either amber band, see your John Deere dealer.



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Louvered Air Outlets

Adjust louvers (bold arrows) to direct air where needed, such as for defogging windows.



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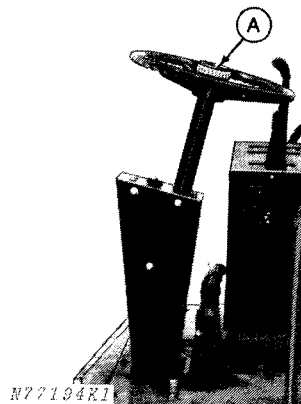
Steering Wheel Tilt

Push pedal (A) forward to unlock pedestal bracket (B). Move the pedestal to one of three possible positions—forward, middle, rearward. Release pedal.

- A—Pedal
- B—Bracket

Steering Wheel Height

Turn knob (A) counterclockwise to unlock steering wheel inner shaft. Position steering wheel at comfortable driving height. Lock knob clockwise.



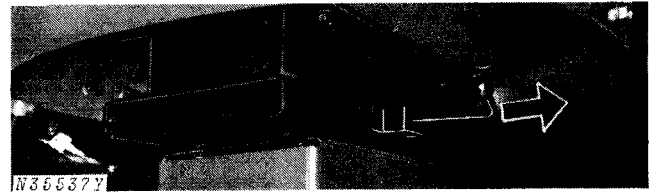
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- A—Knob

Standard Seat

Pull lever out to unlock seat and slide to desired position. Release lever and slide seat until it locks.



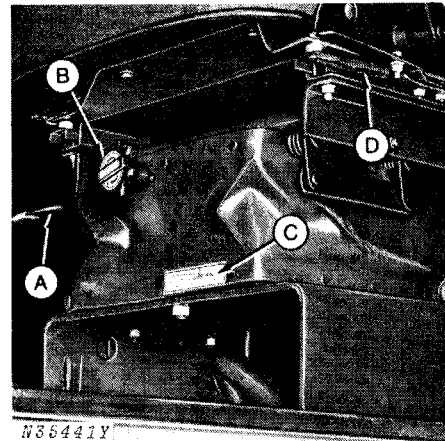
Optional Suspension Seat

Push down Lever (A) and move seat to desired height. Release lever.

Turn crank (B) clockwise for firm ride. Turn counter-clockwise for softer ride. Handle flips out to crank. Sit and turn knob (B) until yellow indicator (C) inside tube is flush with tube.

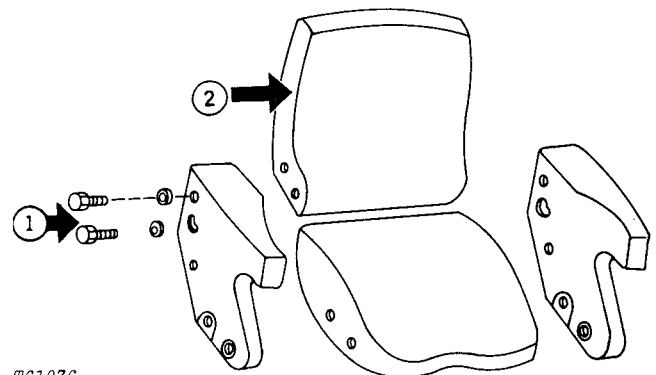
Move the lever (D) outward to the left. Move the seat forward or rearward to desired position. Release lever.

- A—Height Lever
- B—Weight Crank
- C—Weight Indicator
- D—Forward and Rearward Lever



Adjust backrest as follows:

1. Loosen two cap screws on each side.
2. Move backrest to desired position.
3. Tighten cap screws.



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Radio (Optional)

If an FM stereo signal is weak, the radio automatically switches to monaural reception.

An outside antenna is available for improved reception.

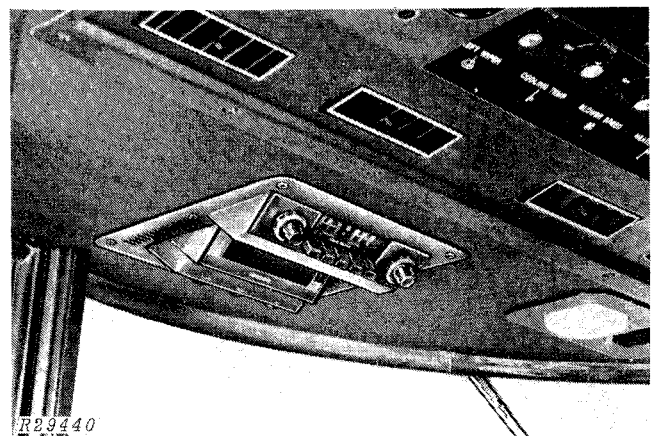
To adjust push-button tuning, pull button out to the stop. Tune to desired station, then push button all the way in.

For adjusting antenna trimmer, see instructions with radio.

8-Track Tape Player (Optional)

To start tape player, insert a tape cartridge label side up. To stop player, remove cartridge.

To avoid damage to player, keep tapes free of dust.



R29440



Cotton Picker and Engine Break-in

ENGINE BREAK-IN

The engine is ready for normal operation. However, be extra cautious during the first 100 hours.

1. Avoid unnecessary engine idling. If cotton picker will be idling longer than five minutes, stop engine.
2. Watch coolant temperature gauge closely. If temperature rises to the warning zone, shift to a lower gear or reduce load by reducing ground speed. Unless temperature quickly drops, stop the engine and determine the cause.
3. Check engine oil and coolant levels more frequently. Watch for any signs of leaks.
4. Until you become thoroughly familiar with the sound and feel of your new cotton picker, stay extra attentive and alert.

AFTER ONE HOUR OF OPERATION

Check torque on all wheel bolts:

Drive Wheels 160-200 ft-lbs (217-271 N·m)

Single Guide Wheel 150 ft-lbs (203 N·m)

Dual Guide Wheel 130 ft-lbs (136 N·m)

AFTER FIVE HOURS OF OPERATION

Check all V-belts for initial stretch. Tighten as necessary. Continue to check V-belts every few hours for the first 50 hours.

AFTER 100 HOURS OF OPERATION

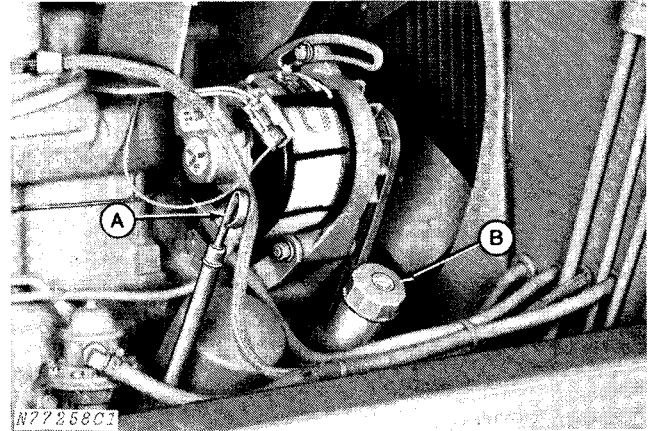
Drain crankcase oil, change filter, and refill with John Deere TORQ-GARD SUPREME[®] oil or equivalent. See page 55.



Prestarting Checks

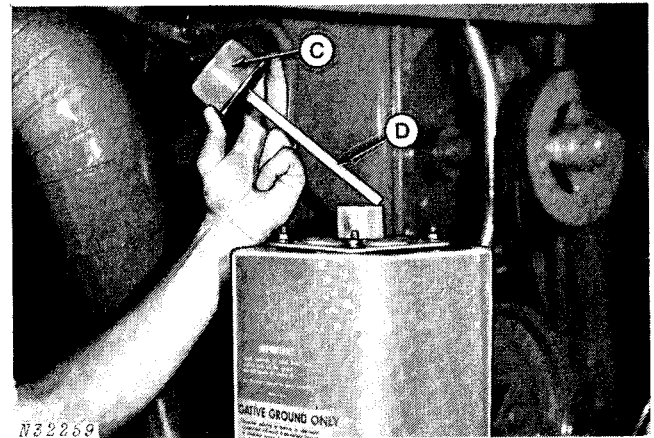
CHECKING FLUID LEVELS

1. Check the engine oil level. Do not operate engine when oil level is below the low mark on dipstick. See page 46 for specifications.



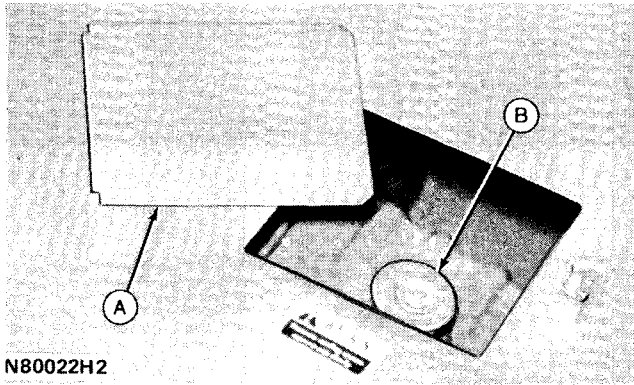
A—Dipstick
B—Crankcase Filler Cap

2. Check the hydraulic oil level. See page 46 for specifications.

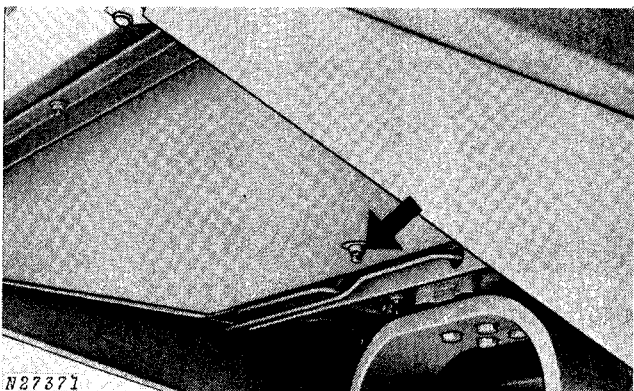


C—Filler Cap
D—Dipstick

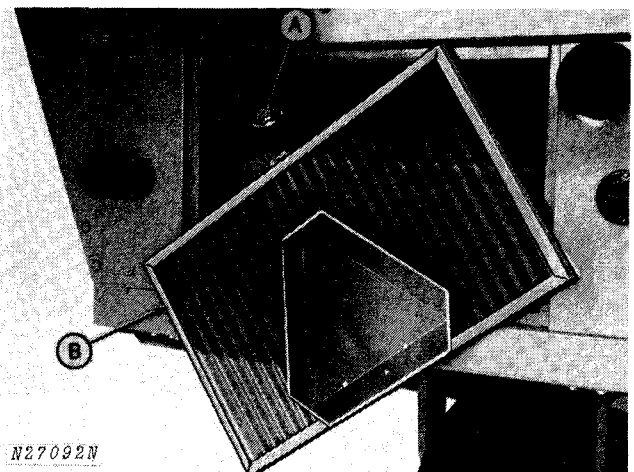
12 Prestarting Checks



CAUTION: To avoid being scalded when radiator cap is removed, turn cap slowly to the stop which allows steam to escape through the overflow pipe. Never fill the radiator when engine is overheated unless engine is idling slowly. Never remove radiator cap or add coolant by lifting basket and working under basket. To add coolant directly into radiator, get inside basket, remove cover (A) from floor, remove radiator cap (B) and add coolant.



3. If engine has not been operated for a long time, remove the fuel tank drain plug and allow any accumulated water to drain out.



4. Fill the fuel tank. See page 45 for specifications.

A—Fuel Tank Filler Cap
B—Screen

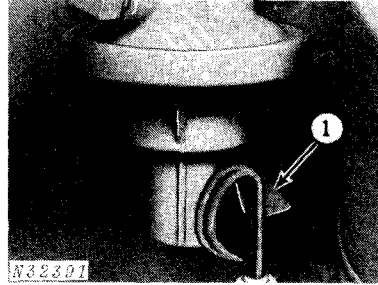


Operating the Engine

STARTING THE ENGINE

1. If engine has not been operated for a long time, work priming lever up and down to force fuel into the system.

Leave lever down during operation.

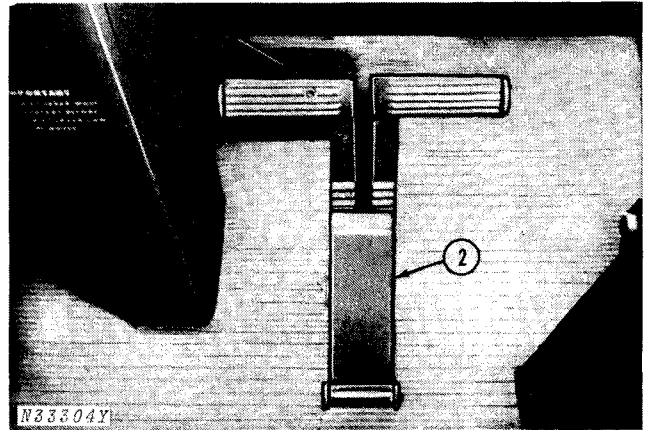


2. Step on brakes or apply brake lock.

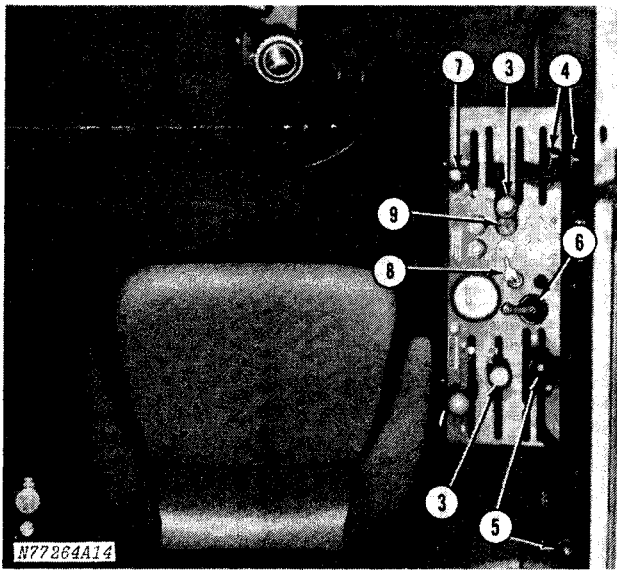


CAUTION: Before starting engine, be sure there is plenty of ventilation.

NOTE: If temperature is below 40°F (5°C), a cold weather starting aid may be necessary, see page 15.



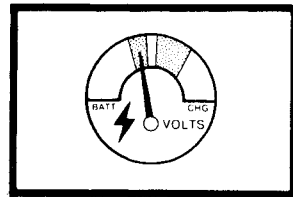
Continued on next page.



3. Position speed range lever in neutral.
4. Pull unit lift levers rearward and release.
5. Disengage picking unit and fan levers.
6. Turn headlight and accessory switches off before attempting to start engine.
7. Advance throttle to full open, then bring it back about halfway.
8. Turn key switch.

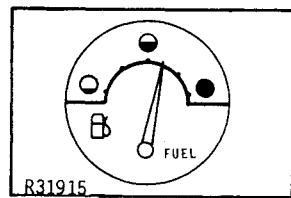
Release key switch when the engine starts. If engine does not fire after 15 to 30 seconds of cranking, wait two minutes before cranking again.

9. After engine starts, oil pressure gauge hand should rise above the warning zone. If not, stop engine and determine cause.
10. Do not place engine under load until heat indicator gauge shows that engine has started to warm up.



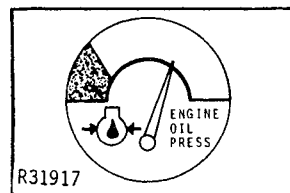
N35947

11. With key switch on and engine stopped, voltmeter should reach left-hand green range. If it does not, batteries are undercharged. With engine running, it should rise to right-hand green range if needle stays in either amber band, see your John Deere dealer.



R31915

12. Be sure picker has plenty of fuel.



R31917

13. Check oil pressure gauge as soon as engine starts. If gauge hand does not rise above warning zone within five seconds, stop engine and determine the cause.
14. Check other instruments with engine running. Voltmeter hand should rise to the right-hand green range to indicate that alternator is charging. Indicator lamps should go out. If any instrument indicates a malfunction, stop the engine and determine the cause.

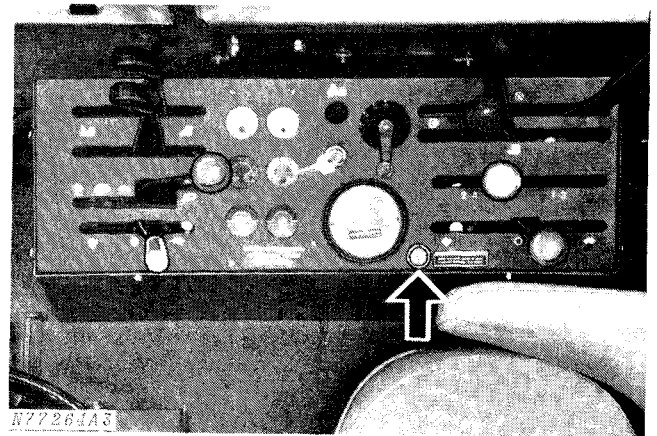
COLD WEATHER OPERATION

Starting Aids (Ether Attachment)

CAUTION: Starting fluid is highly flammable. Do not use near flames, sparks, or fire. Read and follow the directions on the container.

Inject starting fluid by depressing button (bold arrow) on console, using short "bursts" while cranking engine.

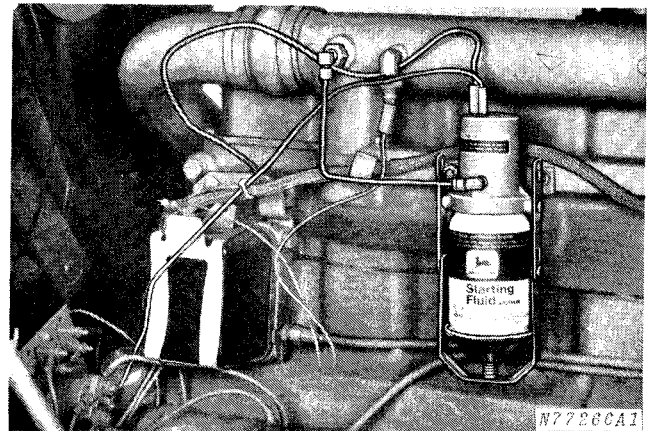
IMPORTANT: To avoid engine damage, inject fluid only in small amounts and only while the engine is turning. Do not depress button longer than one second at a time.



Pressurized cans of starting fluid are available from your John Deere dealer. To install a new can, remove safety cap and plastic spray button from the can. Loosen thumb wheel enough to change cans, then tighten securely.

IMPORTANT: To avoid drawing dust into engine, always keep a starting fluid can in position.

Protect starting fluid can from extreme heat or damage.



Manual Operation

Remove manifold plug (A) and inject starting fluid while a second person cranks the engine with the key.

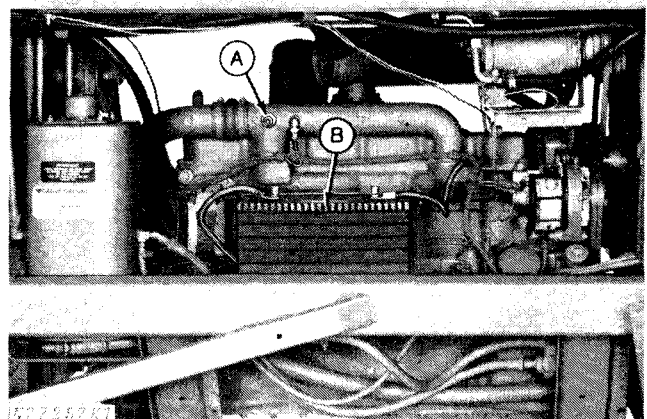
IMPORTANT: Do not inject starting fluid without the engine turning.

After the engine starts and runs, replace plug.

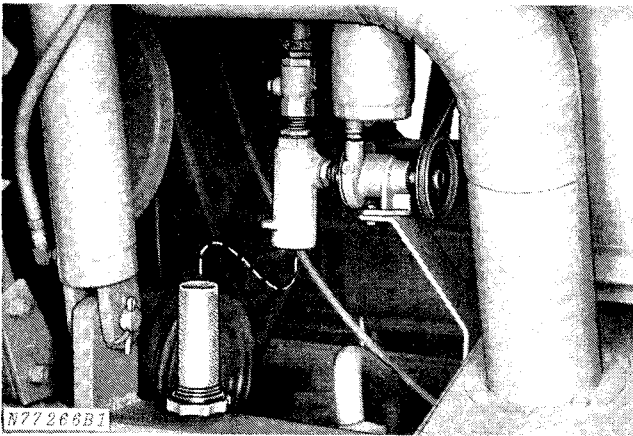
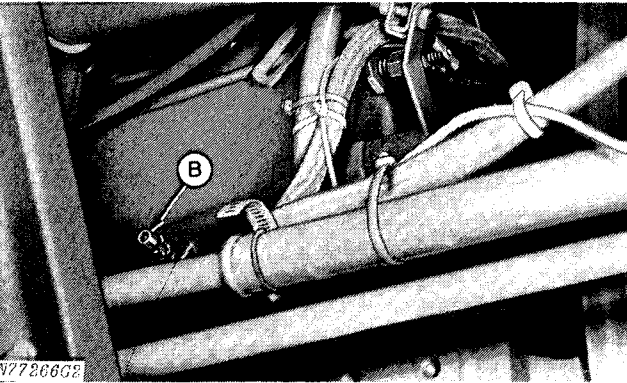
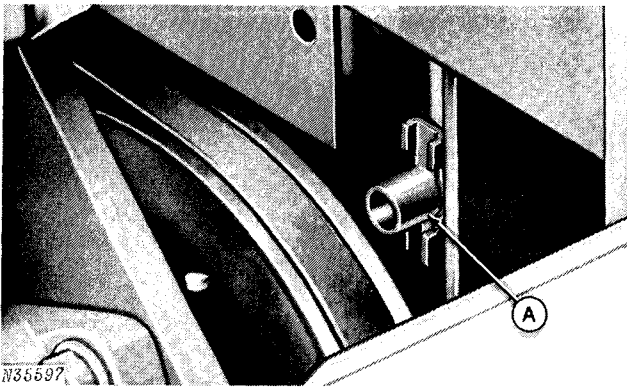
Battery

To prevent freezing, remove the battery (B) from the picker if it will not be used for a long time.

To prevent freezing, do not add water to batteries unless the picker is going to be operated.



A—Manifold Plug
B—Battery



Cooling System

Protect the engine cooling system with permanent-type (ethylene glycol) antifreeze. Follow the manufacturers recommendations for proper mixture.

Open the engine drain cock (B) and/or radiator drain cock (A) to drain part or all of the fluid from the system when necessary to install antifreeze. Check engine thermostat. See page 91.

CAUTION: To avoid being scalded when radiator cap is removed, turn cap slowly to the stop which allows steam to escape through the overflow pipe. Never fill the radiator when engine is overheated unless engine is idling slowly. Never remove radiator cap or add coolant by lifting basket and working under basket. To add coolant directly into radiator, get inside basket, remove cover from floor, remove radiator cap and add coolant.

A—Radiator Drain Cock
B—Engine Drain Cock

Water System

Drain water tank by removing strainer and pump bleed plug.

Start engine and operate pump until pump is empty. Replace strainer and plug.

V-Belts

Keep belts properly tightened and allow them to warm up before applying a load.

Oil

Use oil specified on page 46.

Fuel

Use fuel specified on page 45.

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