

# 940, 1040 and 1140 Tractors



JOHN DEERE

## OPERATORS MANUAL

940, 1040 and  
1140 Tractors

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ENGLISH





## INSPECTIONS

We appreciate the confidence you have shown in John Deere and your John Deere dealer for the purchase of this equipment.

We want you to have the best performance from your new machine. To accomplish this, your dealer will perform a Predelivery Inspection and will familiarize you with the proper and safe operation of this machine.

After the machine has operated the first 100 hours, you should contact your dealer and arrange an appropriate date at which the After-Sale Inspection will be performed. It will be performed most effectively in the workshop of your dealer.

Your dealer completed the predelivery inspection according to the check list, while at the end of this manual you will find the After-Sale Inspection check list.

These check lists will be completed by your dealer while the inspections are being performed. He will then forward the original and one copy of each inspection list to the John Deere Sales Branch Service Department, retaining the second copy for his files. The dealer will confirm completion of these inspections on that portion of the check list which remains in this manual.

The After-Sale Inspection is an important prerequisite to assure best performance of your new machine. For this reason you should not miss **THE OPPORTUNITY** to make proper arrangements with your dealer to get this service done at the proper time.

## SAFETY



**CAUTION:** This safety alert symbol indicates 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.

**IMPORTANT:** This machine is designed and manufactured according to JOHN DEERE specifications. To avoid accidents and to assure optimum performance the machine must not be modified or altered in ways not approved by JOHN DEERE, nor must it be used in conditions or for purposes it is not designed for.

To assure safe operation of this machine, read the Safety Rules on the first pages of this manual.

## MEASUREMENTS

Your operator's manual contains the international standardized SI metric measurement system.

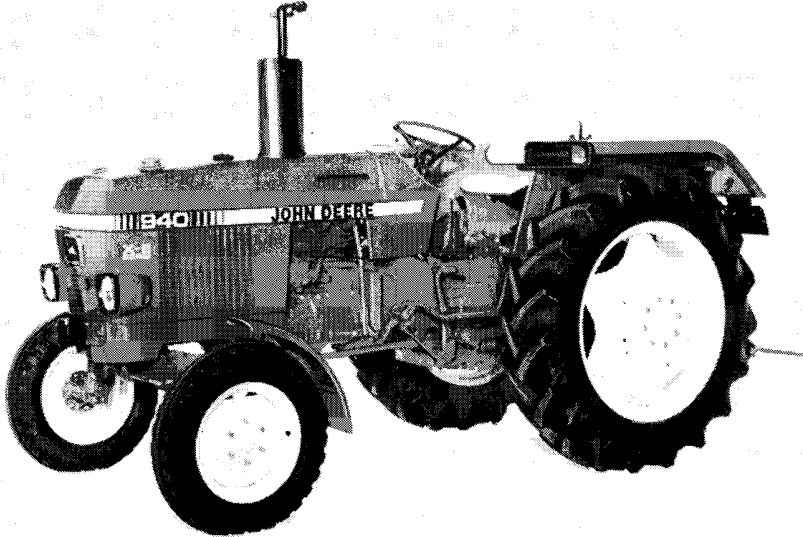
## DIRECTION

Right-hand and left-hand sides of this machine are determined by facing in the direction of forward travel.

## SERIAL NUMBERS

Record the serial numbers of your machine on pages provided at the end of this manual and provide this information to your dealer when ordering spare parts.

# Identification Views



L103 959



L103 960

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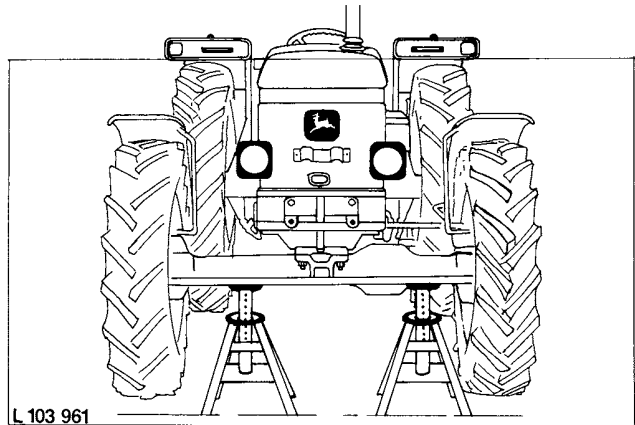
# Safety Rules(General)

## AVOID TRACTOR RUNAWAY

1. Do not start engine by shorting across starting motor terminals. With gear engaged machine will immediately start to move.

Never attempt to start or operate tractor except from operator's station. When starting the tractor make sure transmission is in neutral or "park" position.

2. When servicing front-wheel drive tractor with rear wheels supported off ground and rotating wheels by engine power, always support front wheels in a similar manner. Loss of electrical power or transmission-hydraulic system pressure will engage front driving wheels, pulling rear wheels off support if front wheels are not raised. Under these conditions, the front-drive wheels can engage even with switch in disengaged position.

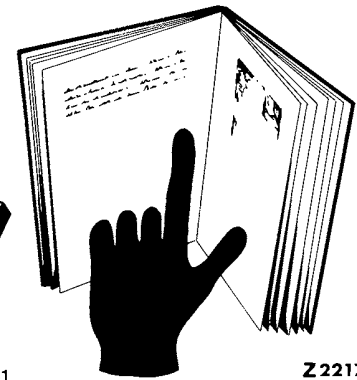
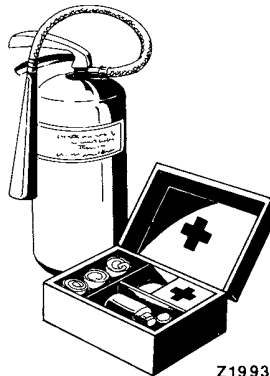


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## BE INFORMED

1. Do not put this operator's manual away unread. Read the manual carefully regardless of your previous experience. Allow yourself this time, it will save you time and labour later on.

2. Be prepared in case of accident or fire. Keep first aid kit and fire extinguisher handy. Be acquainted with correct handling of the fire extinguisher.



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## WEAR SUITABLE CLOTHING

Clothing worn by operator must be fairly tight and belted. Loose jackets, shirts or ties must never be worn.



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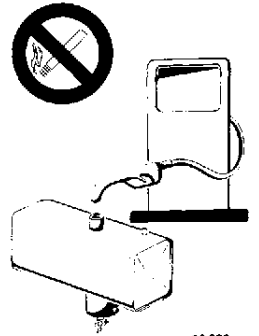
## Safety Rules(General)

### HANDLING FUEL

Always shut off engine before refilling fuel tank.



**CAUTION: Smoking is strictly forbidden when handling fuel.**



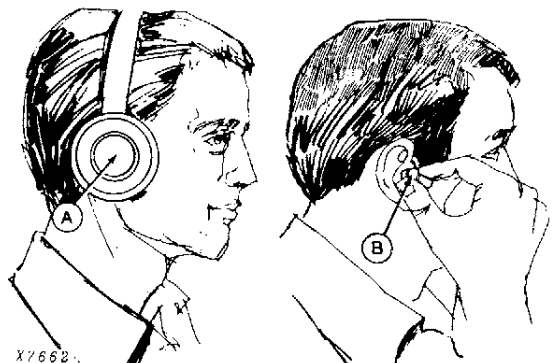
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### NOISE PROTECTION

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.



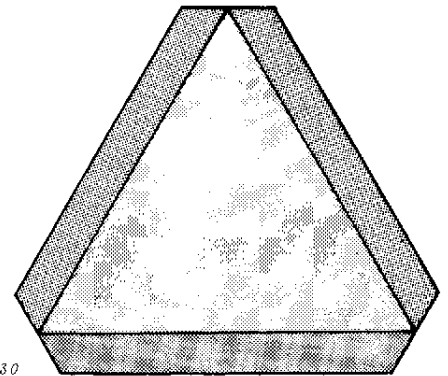
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### SAFETY ON PUBLIC ROADS



**CAUTION: Always comply with local traffic regulations when driving on public roads.**

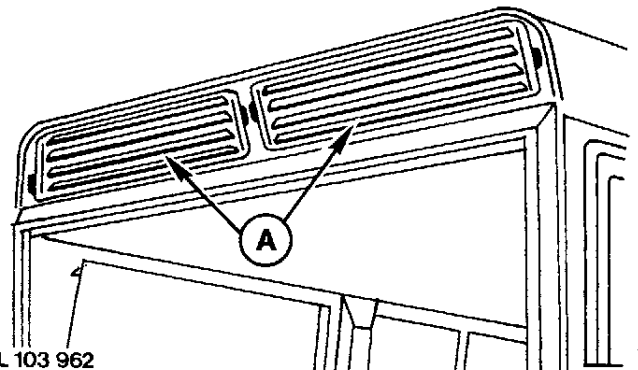


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### HANDLE CHEMICALS PROPERLY

The operator's cab air filters (A) are not designed to filter out harmful chemicals. Follow instructions given in the implement operator's manual and those given by the chemical manufacturer when using agricultural chemicals.



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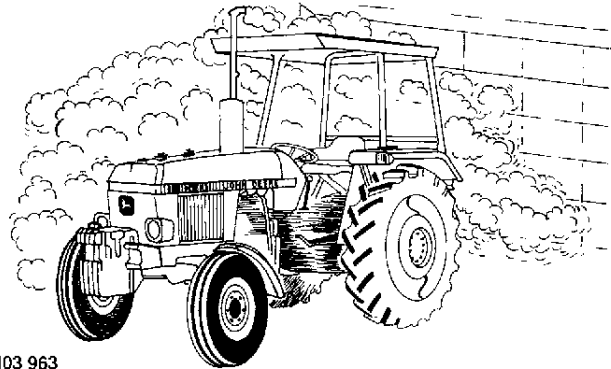
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# Safety Rules(Operation)

## OPERATING THE ENGINE

Before starting the engine make sure there is plenty of ventilation. Never operate the engine in a closed building. Danger of asphyxiation!

When starting the engine rockshaft control lever must be in "lower" position.

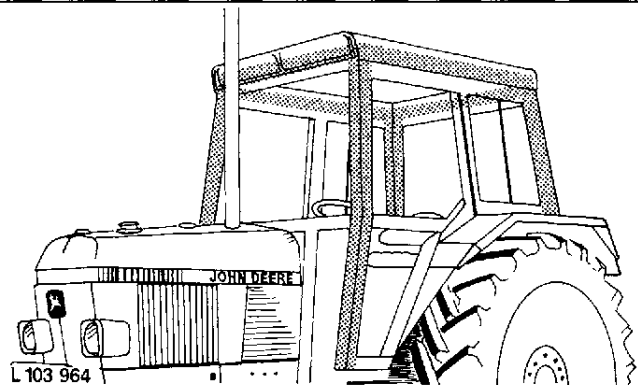


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## ROLL GUARD

A protective roll guard is incorporated in the operator's cab. On this construction, as well as on the roll guard on tractors without an operator's cab, do not, under any circumstances, modify structural members by welding on additional parts, drilling holes, grinding etc. Disregarding this instruction reduces stability of the roll guard.



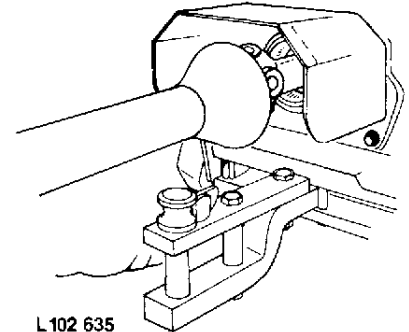
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## PTO DRIVE

High-inertia implements do not become stationary immediately when PTO control lever is shifted to disengaged position. Allow sufficient time for implement to "coast down" to a halt after having disengaged the PTO.

Make sure PTO drive shaft guard is installed.



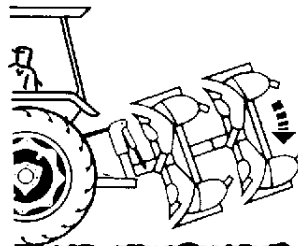
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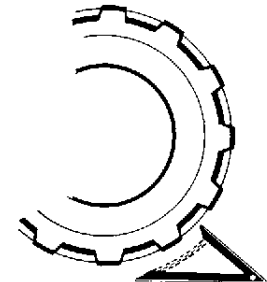
## PARKING THE TRACTOR

Before leaving the tractor lower any equipment to the ground.

When parking on a slope, place chock behind a rear wheel.



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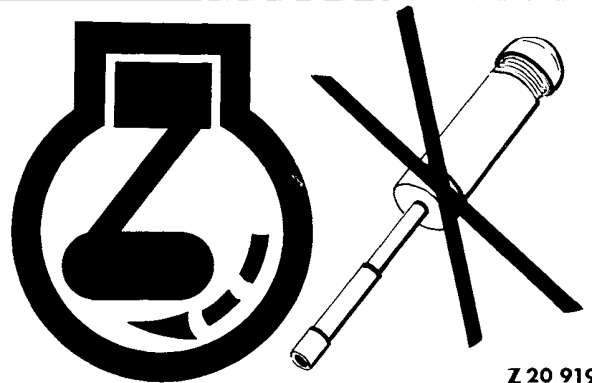
# Safety Rules(Service)

## SERVICE - GENERAL

Do not service the tractor while the engine is running.

Reinstall all shields and guards removed for servicing and make sure they are in a servicable condition.

Have adjustments carried out by trained personnel only.



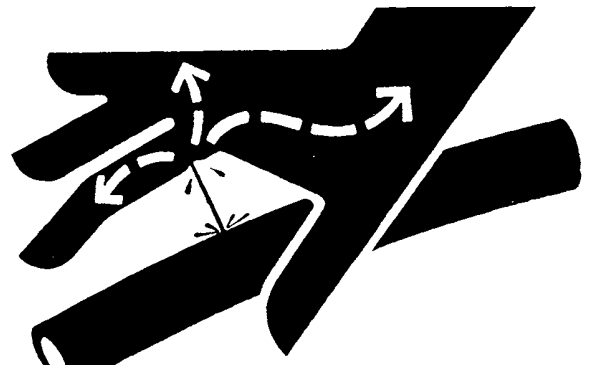
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## AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure (fuel or hydraulic oil) can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pin holes and nozzles which eject fluids under high pressure. Use a piece of cardboard or wood to search for leaks. Do not use your hand.

If any fluid is injected into the skin, consult a doctor immediately, otherwise this may result in a serious infection.



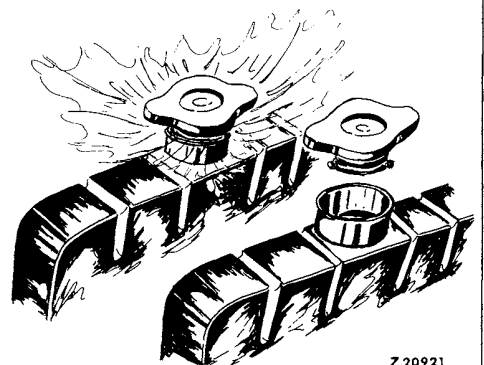
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## SERVICE COOLING SYSTEM SAFELY

Remove radiator cap carefully when engine is hot. With engine shut off, turn radiator cap to first stop to relieve pressure before removing it completely.

Top up radiator with coolant with engine stationary.



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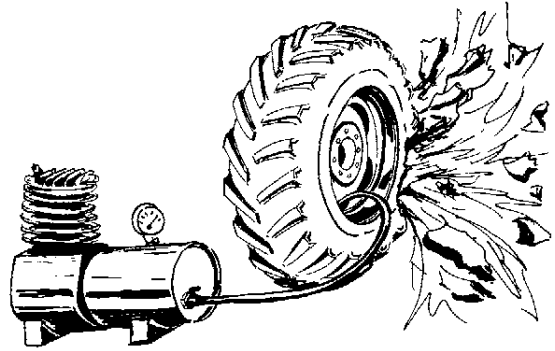
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## SERVICE TIRES SAFELY

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

When sealing tire beads on rims, never exceed 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 your local tire manufacturer agents.

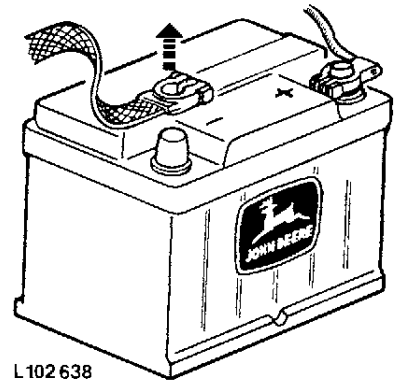


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## DISCONNECTING ELECTRICAL CIRCUIT

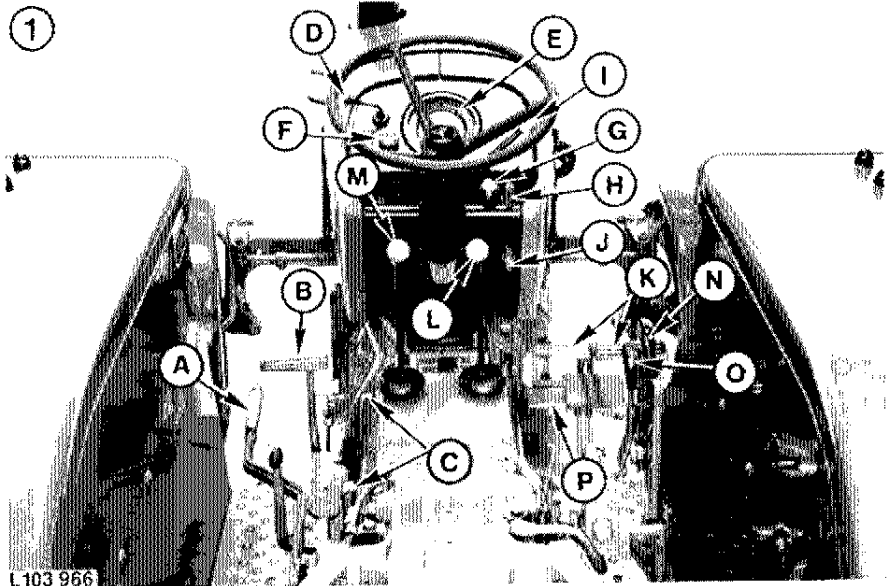
Disconnect battery ground strap before carrying out any electrical repairs on the tractor.



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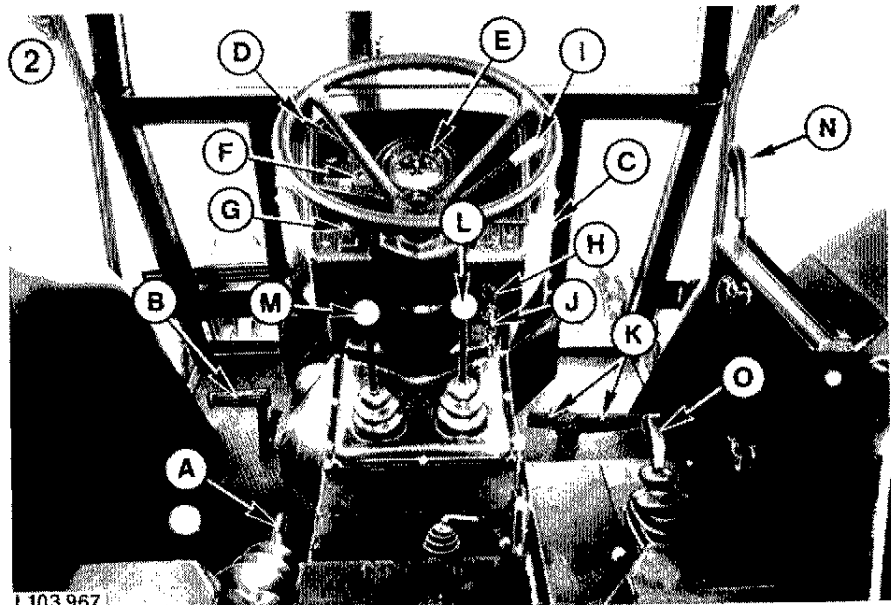
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# Controls and Instruments



- A-Handbrake
- B-Clutch pedal
- C-PTO control lever
- D-Turn signal switch
- E-Speed-hour meter
- F-Hazard warning light switch
- G-Engine shut-off knob
- H-Starter switch
- I-Hand throttle lever
- J-Main switch
- K-Brake pedals
- L-Gear shift lever
- M-Range shift lever
- N-Rockshaft control lever
- O-Selective control valve lever
- P-Foot throttle

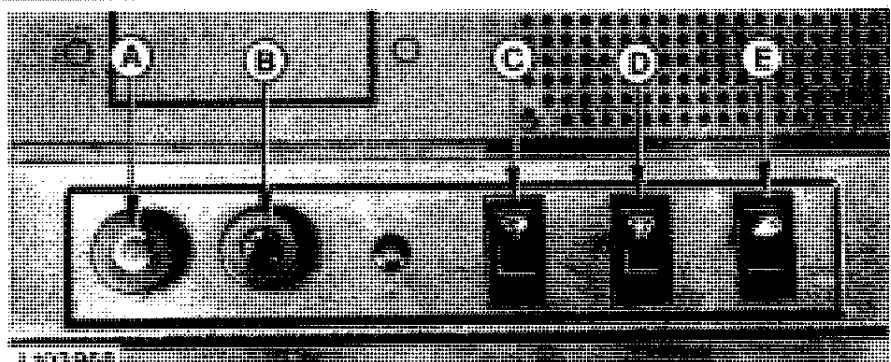
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- 1-Tractor Without Cab
- 2-Tractor With Cab

L 103 967

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- A-Heater switch
- B-Fan switch
- C-Windshield wiper switch
- D-Windshield washer switch
- E-Work light switch

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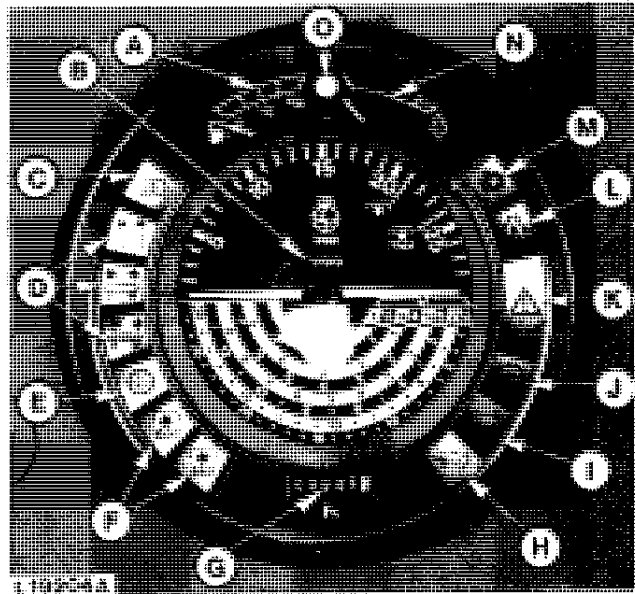
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## INSTRUMENT CLUSTER

Air cleaner, alternator, engine oil pressure and transmission oil pressure\* indicator lights should light up as soon as the main switch key is turned on. If this is not the case, a blown bulb or fuse may be the cause. Replace defective bulb or fuse.

The control lights should go out as soon as the engine is running.

\* On tractors equipped with collar-shift transmission, transmission oil pressure indicator light glows only when a malfunction occurs.



A—The fuel gauge shows amount of fuel in tank, from "full" (4/4) to "empty" (0). Never run fuel tank completely dry, otherwise you will have to bleed the fuel system.

B—The engine and tractor speed gauge shows the engine speed and tractor speed in the gear engaged.

C—The full-beam indicator light will go on as soon as the full-beam headlight switch is turned on.

D—The flashing indicator lights for tractor and trailer start flashing when turn-signal or hazard warning lights are turned on.

E—If air cleaner indicator light glows with engine running, the air cleaner element must be cleaned or replaced.

F—The PTO speed indicator lights (on tractors with PTO hand speed-change only) show the PTO speed engaged.

G—The hour meter shows the number of engine operation hours in full and tenths of hours. The hour meter facilitates close observation of the proper service intervals.

H—The front wheel drive indicator light glows when the front wheel drive is engaged.

I—If the alternator indicator light glows with engine running, check for loose alternator connections, condition and tension of V-belt or defective alternator. If necessary have alternator checked by your JOHN DEERE dealer.

J—If transmission oil pressure indicator light glows during tractor operation, stop tractor and check transmission/hydraulic oil level. Should indicator light glow and oil level is correct, then oil filter is clogged. Replace filter.

K—The warning light blinks when indicator lights I, J or L glow or when range shift lever is moved with the handbrake applied.

L—If engine oil pressure indicator light glows with engine running, shut-off engine and check oil level.

M—The handbrake indicator light glows when the handbrake is applied and the main switch is turned on. Furthermore, an acoustical warning signal can be installed.

N—Should the coolant gauge needle move into the red zone the engine is overheating. Immediately reduce load or shift to a lower gear. Should the needle remain in the red zone, shut-off engine and determine cause of the overheating.

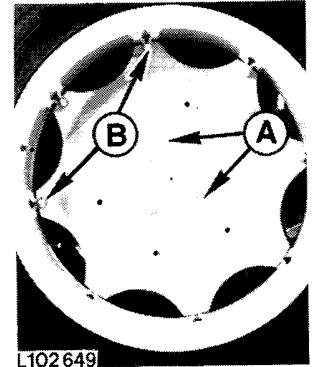
O—This indicator light glows when the fog tail light is switched on.

# Break-In Period

## AFTER FIRST 4 AND 8 HOURS OF OPERATION

### Tighten Rear Wheel Retaining Bolts as Follows:

Bolts (A) with 18.4-16.1 tires : 175 Nm (130 ft-lb).  
With other tire sizes : 240 Nm (175 ft-lb) torque.  
Bolts (B) with "inch" sized bolts requiring 7/8 in. spanner : 200 Nm (145 ft-lb); With "metric" sized bolts requiring 22 mm spanner :250 Nm (185 ft-lb) torque.

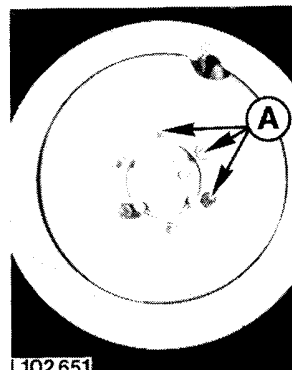


L102 649

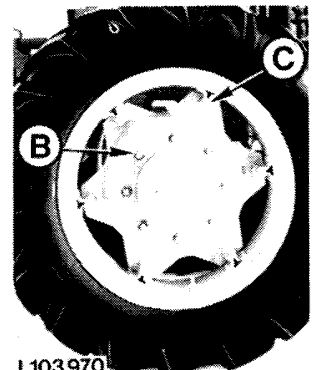
L102649-940ALE-010983

### Tighten Front Wheel Retaining Bolts. (torques vary depending on tractor equipment)

- A-180 Nm (130 ft-lb)
- B-300 Nm (220 ft-lb)
- C-200 Nm (145 ft-lb)



L102 651

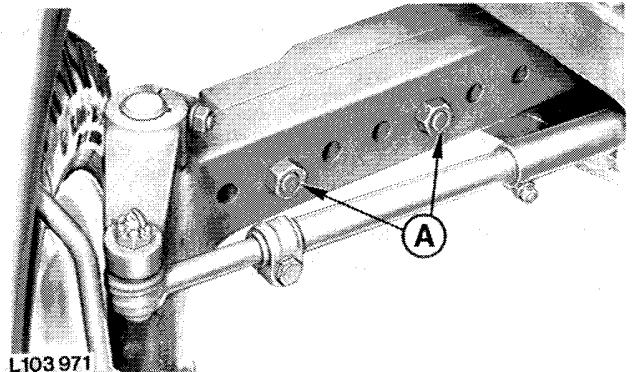


L103 970

L102651,L103970-940ALE-010983

### Adjustable Front Axle

Tighten attaching screws (A) to 400 Nm (300 ft-lb) torque.

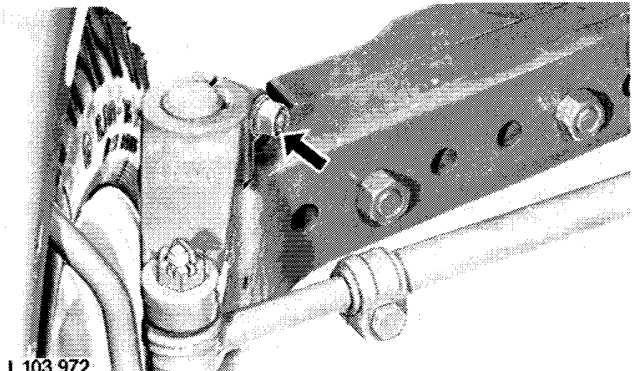


L103 971

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### STEERING ARM ATTACHING SCREWS

Tighten attaching screws to 120 Nm (90 ft-lb) torque.



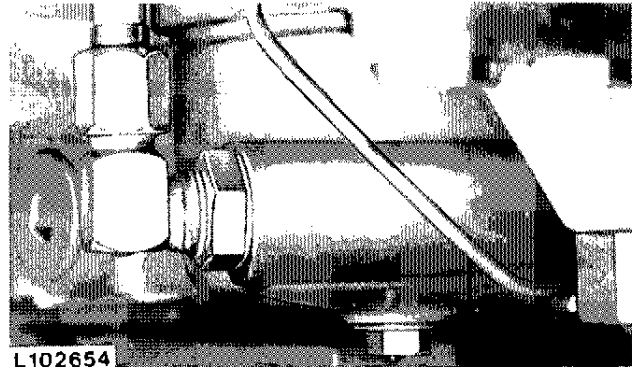
L 103 972

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## Break-In Period

### AFTER THE FIRST FIFTY HOURS OF OPERATION

Replace transmission oil filter (see "Detailed Periodic Services" – every 500 hours of operation).



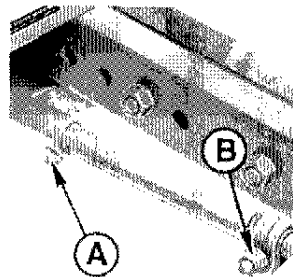
L102654

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### AFTER THE FIRST 100 HOURS OF OPERATION

On tractors with MFWD or swept-back front axle, tighten clamping screws (A) to 40 Nm (30 ft-lb) torque and clamping screws (B) to 110 Nm (80 ft-lb) torque.

On tractors with straight front axle tighten clamping screws (A) to 55 Nm (40 ft-lb) torque and screw (B) to 90 Nm (65 ft-lb) torque.



L103 992



L104 609

Change engine oil.  
See "Detailed Periodic Services" - every 100 hours of operation.

Change front axle oil.  
See "Detailed Periodic Services" - every 1000 hours of operation.

Renew engine oil filter element.  
See "Detailed Periodic Services" - every 200 hours of operation.

L103992,L104609-940ALE-290983

### WITHIN THE FIRST 100 HOURS OF OPERATION

Operate engine at normal loads.  
Avoid light loads.  
Avoid excessive engine idling.  
Check torque of wheel retaining bolts frequently.  
Check engine crankcase oil level frequently.

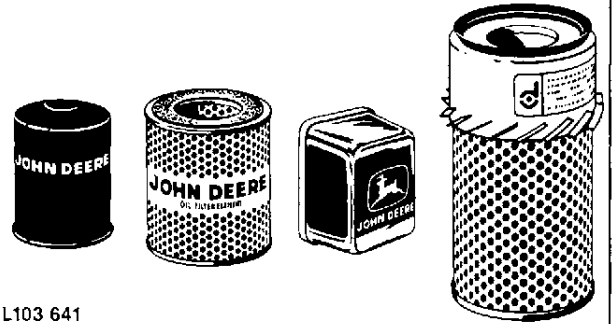
*NOTE: During the break-in period a higher-than-usual oil consumption should be considered as normal.*

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# Reduce Fuel Consumption

## SERVICE CORRECTLY

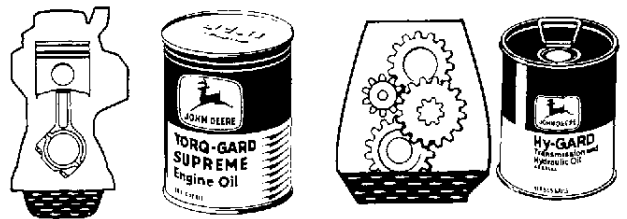
Replace air, fuel, engine oil and transmission/hydraulic filter elements at correct specified service intervals (see section "Lubrication and Periodic Service").



L103 641

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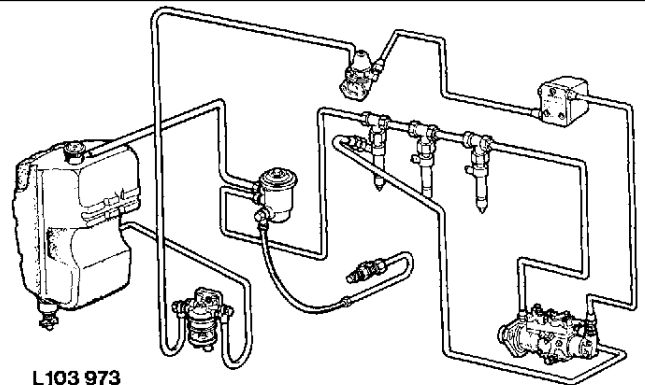
Use recommended oils and lubricants only (see section "Fuel, Lubricants and Coolant").



L103 642

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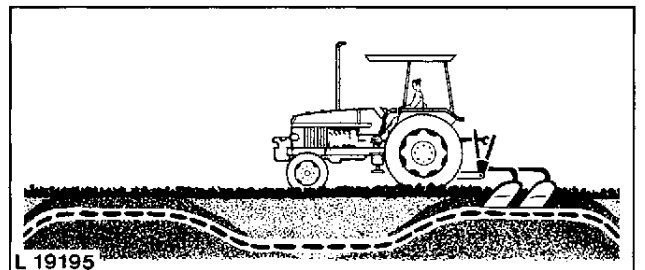
Have the fuel system checked regularly by your JOHN DEERE dealer.



L103 973

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Regularly check function of rockshaft "MAX" load control.



L 19195

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**Suggest:**

**If the above button click is invalid.**

**Please download this document**

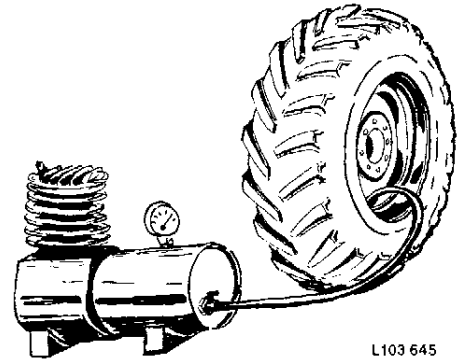
**first, and then click the above link**

**to download the complete manual.**

**Thank you so much for reading**

### DRIVE WITH CORRECT TIRE PRESSURES

Adapt tire pressures to type of work and ground conditions (consult your JOHN DEERE dealer or local tire agent).



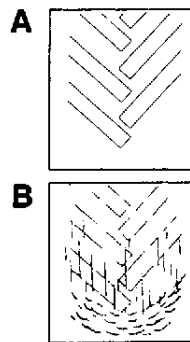
L103 645

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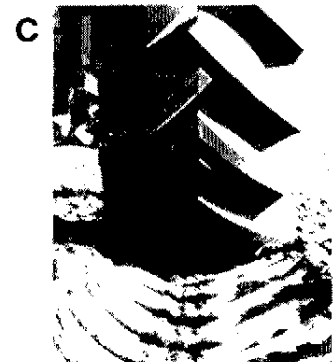
### CHOOSE CORRECT BALLAST

Choose ballast to obtain 10 to 15% wheel slip. Use no more ballast than necessary, reduce ballast for light work.

- A-Too much ballast
- B-Too little ballast
- C-Correct ballast



L103646

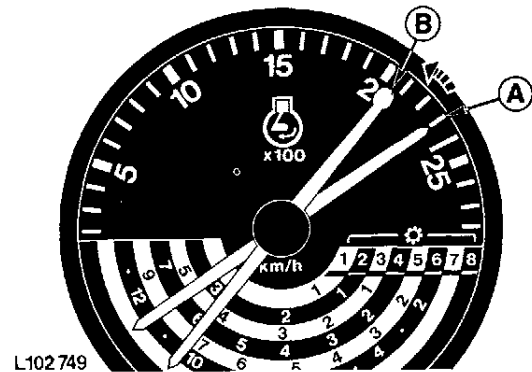


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### SELECT CORRECT GEAR

Always drive in the highest possible gear with reduced engine speed.  
Choose a gear so that engine speed (A) with engine not under load, drops 150 to 250 rpm with tractor operating and engine under load (B).

*NOTE: With light work reduce engine speed below 2000 rpm. Select a gear so that engine speed drops 200 to 300 rpm when operating.*



L102749

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