

## Group IV PREDELIVERY, DELIVERY, AND AFTER-SALE SERVICES

### TEMPORARY STORAGE

After receiving your skidder from the factory and before putting the skidder into temporary storage, perform the following checks.

1. Check battery electrolyte level and charge the batteries, if necessary.
2. Check coolant level in the radiator. The coolant should be maintained at a level midway between the radiator core and filler neck.
3. Check crankcase oil level. Oil should be at top mark of dipstick after machine has been shut down for 10 minutes.
4. Relieve hydraulic pressure by stopping engine, lowering boom and blade, and operating control levers until system fails to respond.

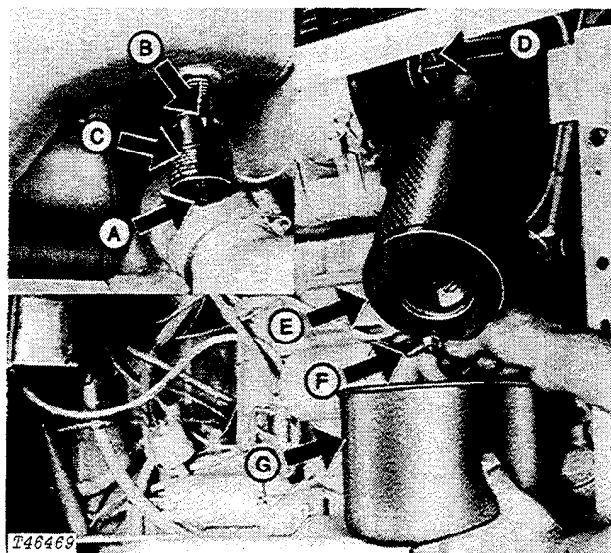
### PREDELIVERY SERVICE

Because of the shipping factors involved, plus extra finishing touches that are necessary to promote customer satisfaction, proper predelivery service is of prime importance to the dealer and the customer.

If adjustments are required, procedures are found in the After-Sale section.

Use the following list when preparing a skidder for delivery to the customer.

#### 1. Air Cleaner



- |                         |                     |
|-------------------------|---------------------|
| A—Reset Button          | E—Primary Element   |
| B—Restriction Indicator | F—Wing Nut          |
| C—Red Signal            | G—Air Cleaner Cover |
| D—Safety Element        |                     |

Fig. 1—Air Cleaner Components

Check air filter restriction indicator. If red signal locks in full view, look for restriction or blockage in air intake system.

Air cleaner elements checked	Yes	No
Restriction in system	Yes	No

## 2. Radiator

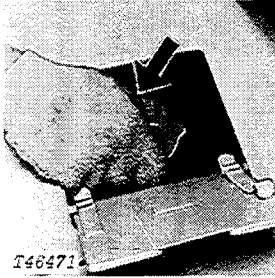


Fig. 2-Radiator Filler Cap

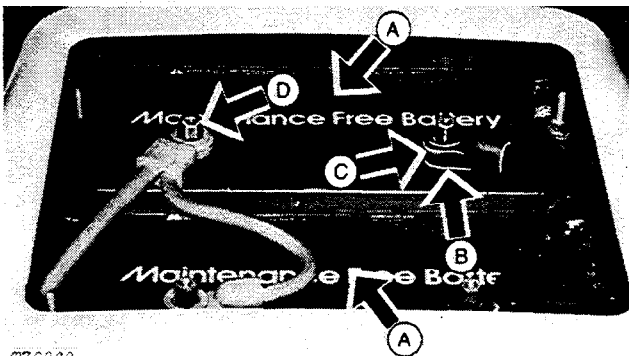
**CAUTION:** Do not remove radiator filler cap until coolant temperature is below its boiling point. Then loosen cap slowly to the stop to relieve any excess pressure before removing cap completely.

Check coolant level in radiator. Coolant should be maintained at a level midway between the radiator core and filler neck.

The antifreeze-water ratio is approximately 50 percent each. This protects to at least  $-34^{\circ}\text{F}$  ( $-37^{\circ}\text{C}$ ).

Radiator coolant level checked Yes No

## 3. Batteries



270868  
 A—Batteries  
 B—Stud Pad  
 C—Eyelet  
 D—Nut

Fig. 3-Batteries

Check terminals and connections.

If terminals are corroded, clean them with a stiff brush.

The cable connector seal should not be pinched between the stud pad and eyelet.

Check torque on four nuts. Torque should be 15 lb-ft (20 N·m).

If needed, clean batteries with a damp cloth.

Litho in U.S.A.

Punch date code on battery.

Water added Yes No  
 Battery connections checked Yes No

## 4. Tire Pressure

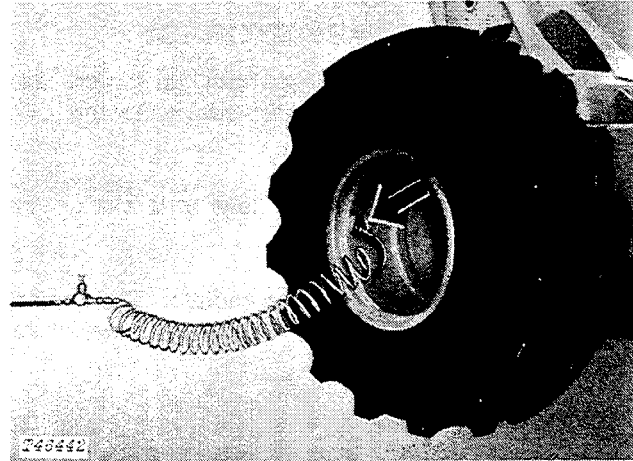


Fig. 4-Correct Tire Filling Procedure

Check air pressure in the tires with an accurate gauge having 1 psi (0.05 bar) (0.05 kg/cm<sup>2</sup>) graduations.

Tire Size	Type	Ply Rating	Inflation Pressure
18.4-26	LS-2	10	25 psi (1.7 bar) (1.7 kg/cm <sup>2</sup> )*
18.4-34	LS-2	10	25 psi (1.7 bar) (1.7 kg/cm <sup>2</sup> )
23.1-26	LS-2	10	20 psi (1.4 bar) (1.4 kg/cm <sup>2</sup> )**
28.1-26	LS-3	10	15 psi (1.0 bar) (1.0 kg/cm <sup>2</sup> )
23.1-26	LS-2	16	20 psi (1.4 bar) (1.4 kg/cm <sup>2</sup> )**
18.4-34	LS-2	16	25 psi (1.7 bar) (1.7 kg/cm <sup>2</sup> )****

\*Skidder only.

\*\*Cannot be used with wheel weights.

\*\*\*Canada only (Skidder, Grapple Skidder) (Kevlar-Ply)

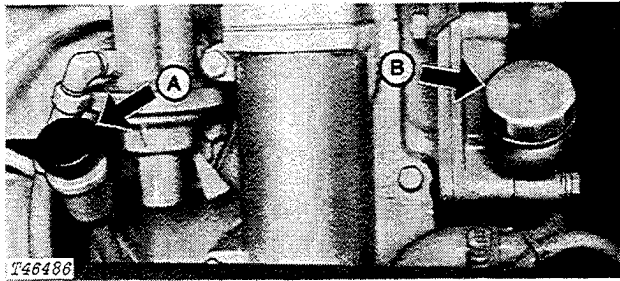
\*\*\*\*Canada only (Skidder) (Kevlar-Ply)

**CAUTION:** 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. DO NOT attempt to mount a tire unless you have the proper equipment and experience to perform the job safely.

Detailed tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks.

Tire pressure checked Yes No

### 5. Crankcase Oil Level



A—Dipstick

B—Oil Filler Cap

Fig. 5-Crankcase Oil Level

Check crankcase oil level with skidder on level ground. (Allow a minimum of 10 minutes for the oil to drain down before checking.) If oil level is at or below bottom mark on dipstick, add sufficient oil of the proper viscosity and type specified on page I-V-3 to bring oil level to between marks on dipstick: Do not operate engine with oil level below the bottom mark.

Crankcase oil level checked	Yes	No
Oil added, if any	_____qts (L)	

### 6. Transmission - Hydraulic System Oil Level

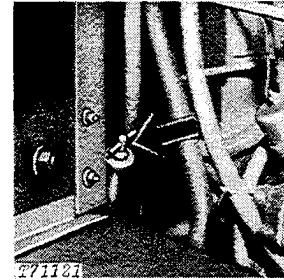


Fig. 6-Dipstick and Oil Filler Cap

Run engine two to three minutes.

Check oil level with:

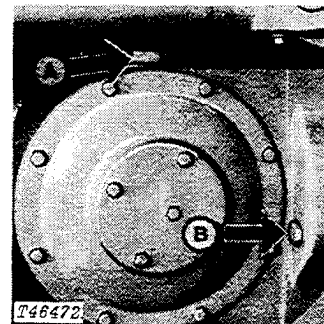
- 1 - Skidder on level ground.
- 2 - Blade lowered (with engine running).
- 3 - Grapple tongs closed and lowered (with engine running).
- 4 - Engine stopped.

Allow a minimum of 5 minutes after shutdown before checking oil.

Oil level should be to top mark on dipstick while resting on filler tube. If low, add oil specified on page I-V-3.

Oil level checked	Yes	No
Oil added, if any	_____qts (L)	

### 7. Winch Housing Oil Level



A—Filler Plug

B—Oil Level Plug

Fig. 7-Winch Housing Oil Level

Check oil level by removing oil level plug.

If low, remove filler plug and add oil specified on page I-V-3. Oil should be to level of oil level plug.

Winch oil level checked	Yes	No
Oil added, if any	_____qts (L)	

### 8. Fuel Gauge

Check fuel gauge. Turn on key switch and check for movement of indicator on gauge. If no movement is noted, add a small amount of fuel and repeat procedure.

If no indicator movement is noted, gauge is not functioning.

Fuel gauge functional Yes No

### 9. Grease Fittings

The skidder was checked and lubricated before it left the factory. However, to insure customer satisfaction, check each grease fitting point shown in the following pages. Lubricate with several strokes of John Deere Multi-Purpose Grease, if necessary.

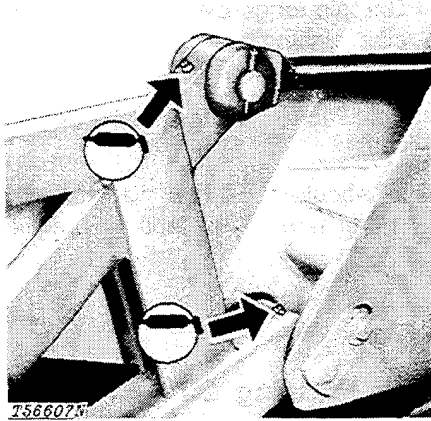


Fig. 8-Stacking Blade and Cylinder Pivots (4 points)

Lubricant required Yes No

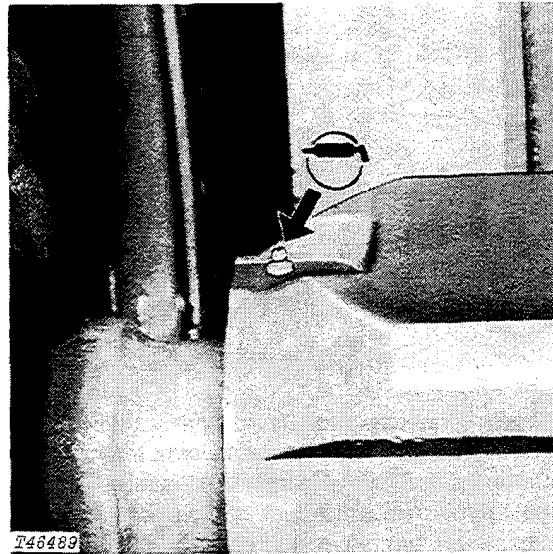


Fig. 9-Axle Bearings (4 points)

Lubricant required Yes No



Fig. 10-Frame Hinge Pivots (2 points)

Lubricant required Yes No

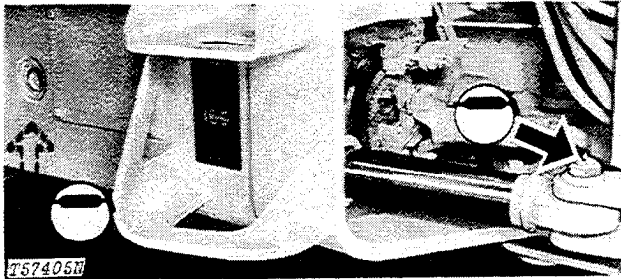


Fig. 11-Steering Cylinder Pivot Pins (4 points)

Lubricant required Yes No



Fig. 12-Front Lower Telescoping Universal Joint (2 points)

Lubricant required Yes No

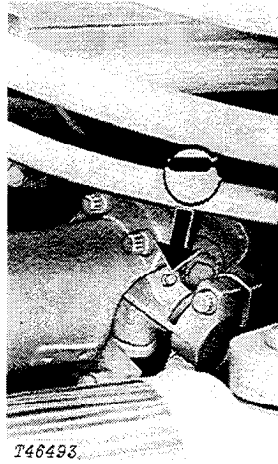


Fig. 13-Rear Lower Telescoping Universal Joint (1 point)

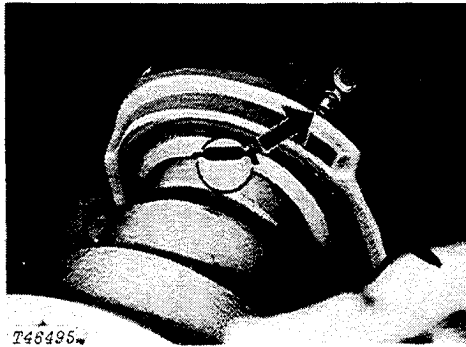


Fig. 14-Lower Drive Shaft Support Bearing (1 point)

Lubricant required Yes No

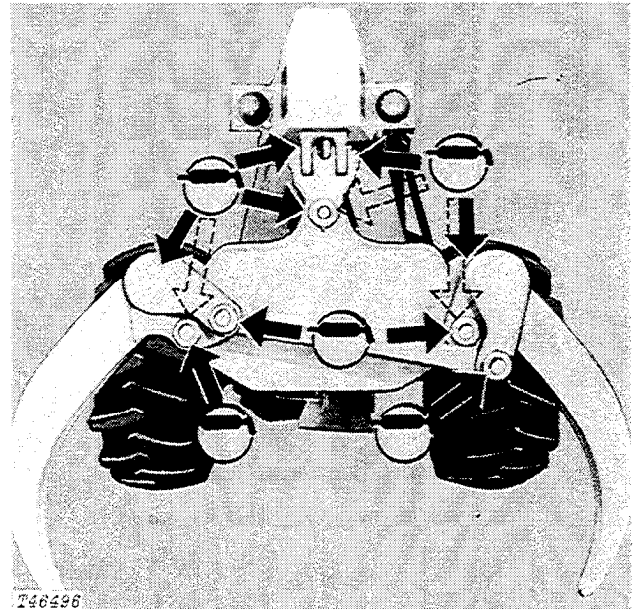


Fig. 15-Grapple Pins (12 points)

Lubricant required Yes No

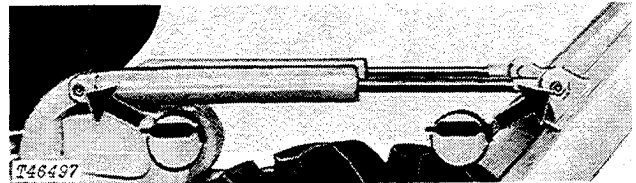


Fig. 16-Boom Cylinder Pins (4 points)

Lubricant required Yes No

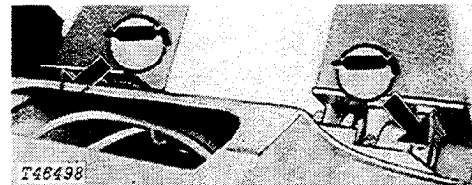


Fig. 17-Boom Pivot Pins (2 points)

Lubricant required Yes No



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