

Group IV PREDELIVERY, DELIVERY, AND AFTER-SALE SERVICES

TEMPORARY STORAGE

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

For long term storage information, consult your JD444 operator's manual.

1. Check battery electrolyte level and charge the battery, if necessary.

2. Check radiator coolant level. Maintain coolant level midway between 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 bucket and operate loader or backhoe control levers and steering and brakes until system fails to respond.

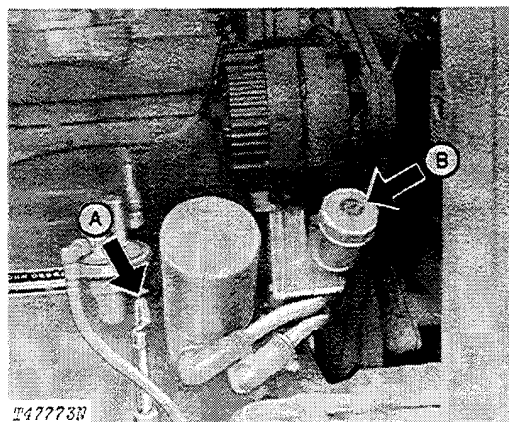
PREDELIVERY SERVICE

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 loader for delivery to the customer.

1. Crankcase Oil Level



A—Dipstick

B—Oil Filler Cap

Fig. 1-Crankcase Oil Level

Check crankcase oil level with loader 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 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)

2. Transmission Oil Level

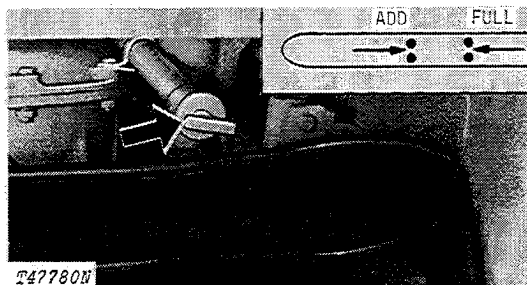


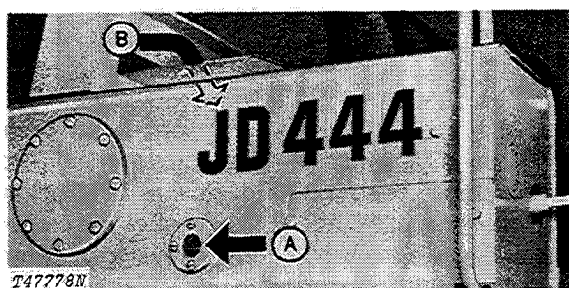
Fig. 2-Transmission Oil Filler and Dipstick

- 1 - Operate loader until transmission reaches normal operating temperature.
- 2 - Idle engine.
- 3 - Shift through all range positions slowly.
- 4 - Shift to neutral and apply neutral lock.
- 5 - Apply brakes.
- 6 - Check oil level with loader on level ground.

Oil level should be between marks on dipstick while resting on filler tube. If low, add John Deere Torque-Converter Fluid (Type C-2) or equivalent.

Oil level checked _____ Yes No
Oil added, if any _____ qts (l)

3. Loader Hydraulic System



A—Oil Level Window B—Filler (Inside top hinged cover)

Fig. 3-Loader Hydraulic System

Run engine two to three minutes.

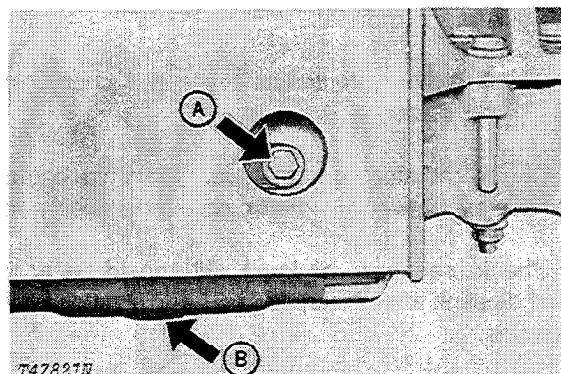
Check oil level with:

- 1 - Loader on level ground.
- 2 - Bucket resting on ground.
- 3 - Engine stopped.

Oil level should be halfway up window on reservoir. If low, add John Deere Hy-GARD Oil or equivalent.

Oil level checked _____ Yes No
Oil added, if any _____ qts (l)

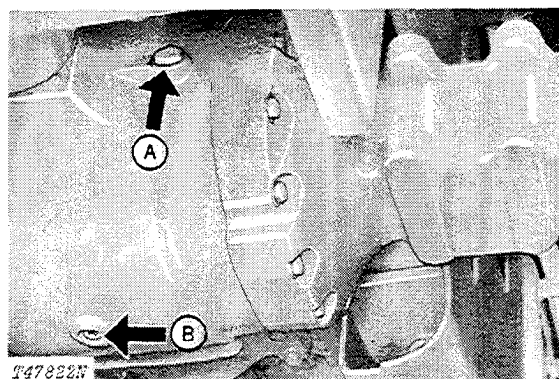
4. Front and Rear Differential Oil Level



A—Level-Filler Plug

B—Drain Plug

Fig. 4-Front Differential Housing



A—Level-Filler Plug

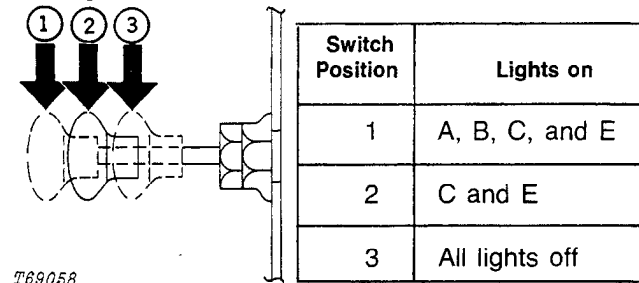
B—Drain Plug

Fig. 5-Rear Differential Housing

Check oil level in front and rear differential housings. If oil level is below oil level plug, add John Deere Hy-GARD Oil or equivalent.

Differential housings oil levels checked _____ Yes No
Oil added, if any _____ qts (l)

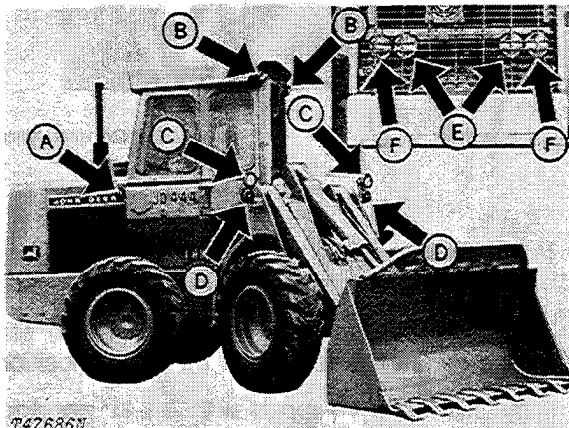
5. Lights



T69058

Fig. 6-Light Switch

The headlights, tail lights, and work lights are controlled by the light switch located on the right side of the instrument panel. The light switch has three positions.

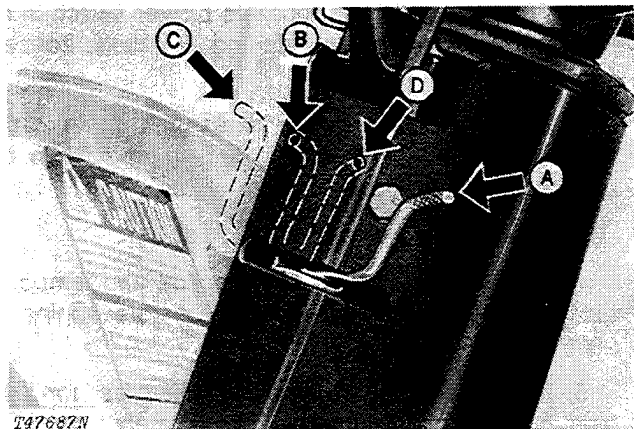


T47686N

A—Rear Work Light
B—Front Work Lights
C—Headlights
D—Turn Signals and Warning Lights

E—Tail lights
F—Turn Signals and Warning Lights

Fig. 7-Loader Lights



T47687N

A—Left Turn Signal
B—Right Turn Signal

C—Flashing Warning Lights on
D—Off

Fig. 8-Turn Signal and Warning Light Switch

The turn signal and flashing warning lights are controlled by the light switch located on the left side of the steering column. The light switch has four positions:

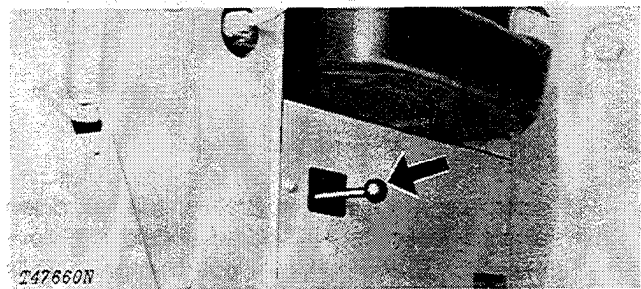
Switch Position	Lights On
1	A, B, C, and E
2	C and E
3	All lights off

Switch Position	Lights On
A	D (left side)
B	D (right side)
C	D, F
D	All lights off

All lights checked

Yes No

6. Check Seat Operation



T47660N

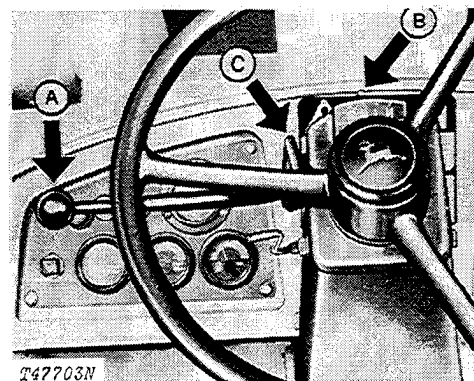
Fig. 9-Seat Adjustment Lever

Operate seat adjustment lever. Press lever toward center of loader. Slide seat to desired position. Release lever.

Seat operation checked

Yes No

7. Transmission Operation



T47703N

A—Shift Lever
B—Range Indicator

C—Neutral Lock

Fig. 10-Transmission Shift Lever

Check operation of loader in all gears.

Transmission checked

Yes No

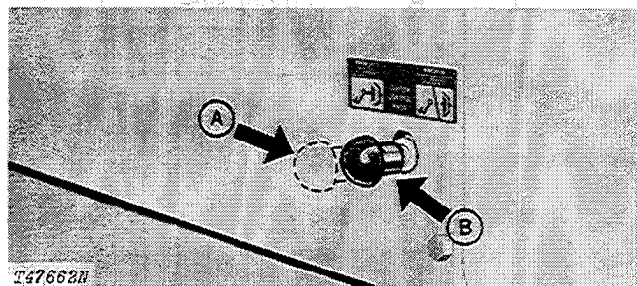
8. Power Steering

Turn steering wheel back and forth. Loader should turn to left and right with ease.

Check lines and cylinders for leakage.

Power steering checked Yes No

9. Clutch Control Operation



A—Knob Out

B—Knob In

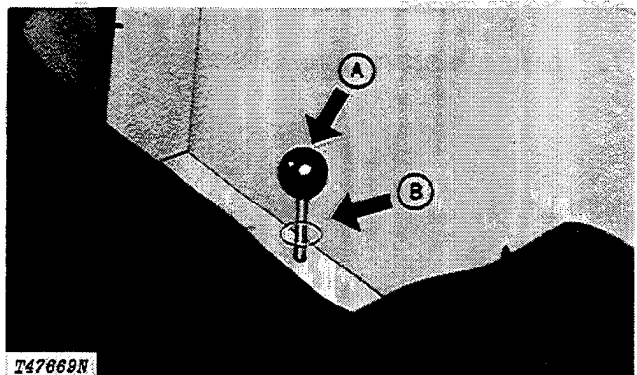
Fig. 11-Clutch Control Knob

Pull clutch control knob out. Brake pedal will disengage transmission clutches. Loader should not move.

Push knob in. Brake pedal will not disengage transmission clutches. Loader may creep forward with brakes applied.

Clutch control checked Yes No

10. Rear Axle Disconnect Operation



A—Rear Axle
Disengaged

B—Rear Axle
Engaged

Fig. 12-Rear Axle Disconnect Lever

Check rear axle disconnect operation as follows:

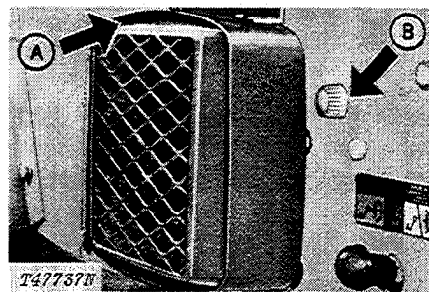
- 1 - Raise the front wheels off the ground with the bucket.
- 2 - Pull the rear axle disconnect knob up.
- 3 - Loader should not move when transmission shift lever is placed in forward or reverse.

4 - Push the rear axle disconnect knob down.

5 - Loader should move when transmission shift lever is placed in forward or reverse.

Rear axle disconnect Yes No

11. Heater/Air Conditioner Operation (if equipped)



A—Heater

B—Heater Control Knob

Fig. 13-Heater

Turn heater control knob to "on" position. This position should provide maximum heat.

Turn knob past "on" position. Heat should gradually decrease as knob is turned to the "stop" position.

If the loader is equipped with an air conditioner, perform the following check:

NOTE: Check for proper refrigerant charge before using air conditioner.

NOTE: Ambient air temperature must be at least 60°F (16°C).

1. With key switch on, operate blower switch in all positions. Observe fan speeds and air volume from air ducts.

2. With key and blower switches on, turn temperature switch toward maximum cooling and listen for audible "click" from compressor clutch.

3. Turn heater valve to closed position.

4. With blower switch at high speed and temperature switch at maximum cooling, operate engine at 2000 rpm.

5. After three minutes, observe sight glass for bubbles. Bubbles may be present immediately after compressor cycles on. If occasional bubbles or a constant stream of bubbles are observed under any other condition, refer to Group 9031 of this manual.

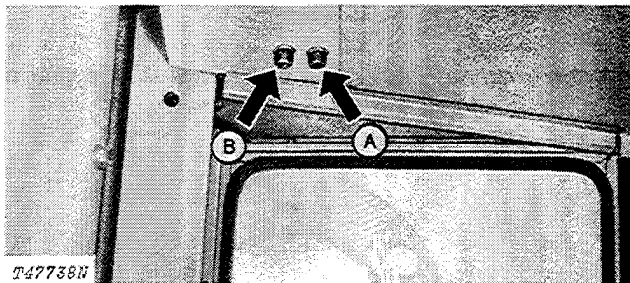
6. Check temperature of discharge air from air ducts. Hold thermometer in air duct until lowest reading is obtained.

- a. If ambient temperature is above 80°F (27°C), the duct air temperature must be 25 to 30°F (14 to 17°C) below ambient temperature.
- b. If ambient temperature is below 80°F (27°C), the duct air temperature must be less than 50°F (10°C).

7. If unit does not operate as described, refer to Group 9031 of this manual.

Heater operation checked	Yes	No
Air conditioner operation checked	Yes	No

12. Windshield Wiper Operation (if equipped)



A—Front Wiper Switch

B—Rear Wiper Switch

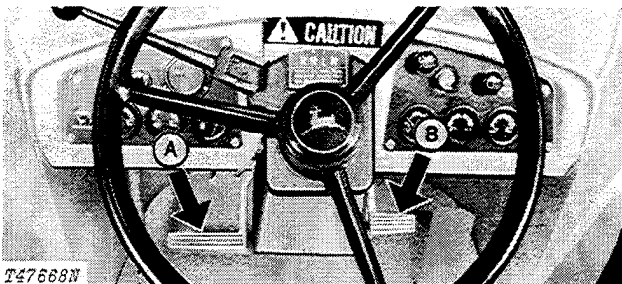
Fig. 14-Wiper Switches

Turn knob on front wiper switch to HI, LO, and OFF positions. Wiper should operate at given speeds.

Turn knob on rear wiper switch to ON and OFF positions. Wiper should operate in ON position.

Windshield wipers checked	Yes	No
---------------------------	-----	----

13. Hydraulic Brakes



A—Left Brake Pedal

B—Right Brake Pedal

Fig. 15-Brake Pedals

Check brake system for leaks or improper operation.

Put loader in gear and depress brake pedals. Moderate pedal force should hold loader in place.

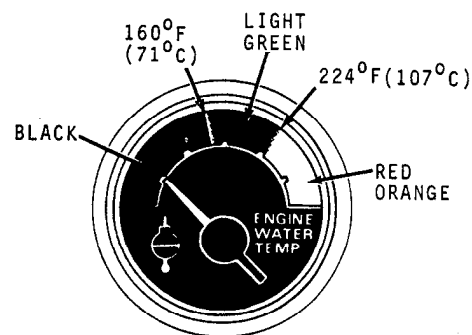
If pedal force does not hold loader in place, pedal feels spongy or bottoms out, repair is required, or system may require bleeding (Page I-IV-30).

Brakes operational

Yes No

14. Indicator Lights and Gauges

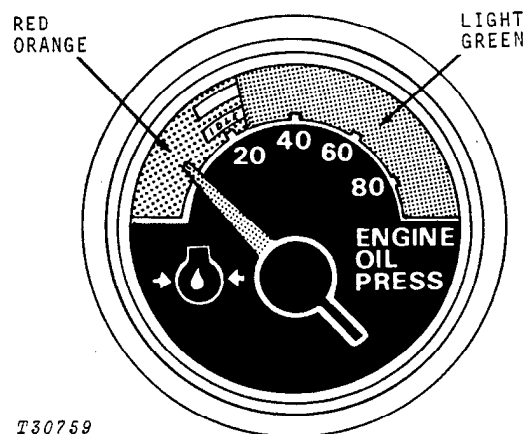
When operating your loader, check the following gauges for correct operation.



T38572

Fig. 16-Engine Coolant Temperature Gauge

Normal operating range is indicated by the light green area on the gauge face - 135°F to 224°F (57°C to 107°C).



T30759

Fig. 17-Engine Oil Pressure Gauge

Normal operating range is indicated by the green zone on the gauge face.

If engine oil pressure indicator hand is not in the green zone, stop engine and check oil level.

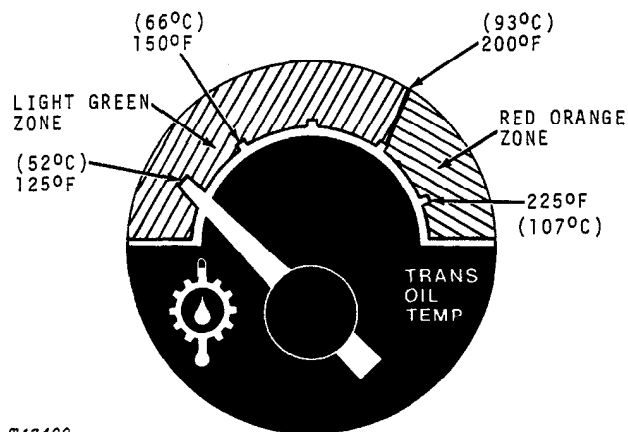


Suggest:

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

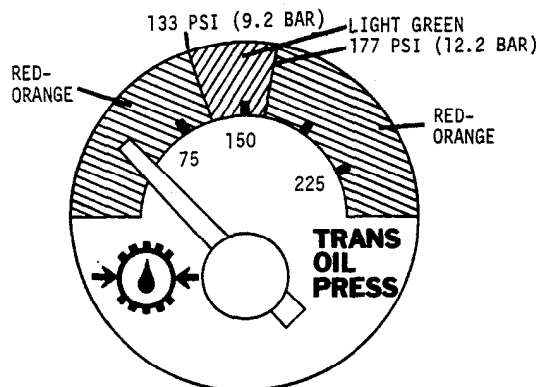


T43409

Fig. 18-Transmission Oil Temperature Gauge

Normal operating range is indicated by the green zone on the gauge face.

If the transmission oil temperature indicator hand is not in the green zone, stop engine and check oil level.

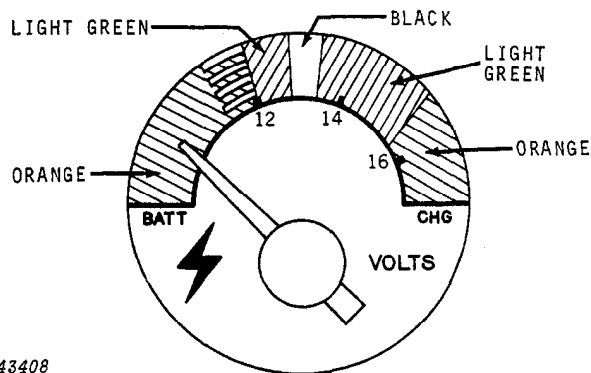


T49987N

Fig. 19-Transmission Oil Pressure Gauge

Normal operating range is indicated by the green zone on the gauge face.

If the transmission oil pressure indicator hand is not in the green zone, stop engine and check oil level. If oil is at proper level, troubleshoot the transmission system.

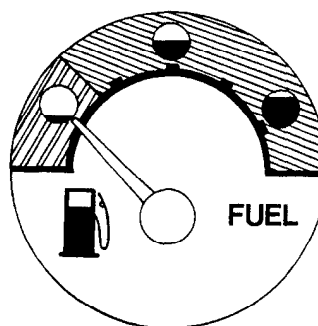


T43408

Fig. 20-Voltmeter

Normal operating range is indicated by the right green zone on the gauge face.

If the voltmeter indicator hand is not in this green zone, troubleshoot the electrical system.



T40227N

Fig. 21-Fuel Level Gauge

The fuel gauge indicates the amount of fuel remaining in the fuel tank.

Gauges and indicator lights operational

Yes no