

2. Air Cleaner

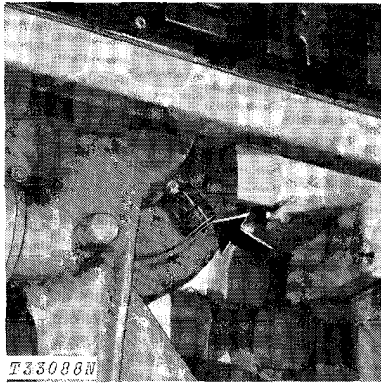
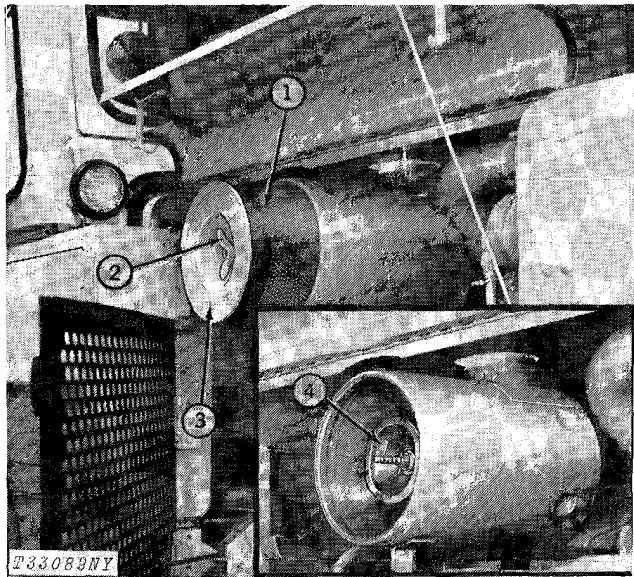


Fig. 2-Air Cleaner Restriction Indicator

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



- 1—Primary Element
- 2—Wing Nut
- 3—Air Cleaner Cover
- 4—Safety Element

Fig. 3-Air Cleaner

Air cleaner checked Yes No

Filters replaced Yes No

3. Fuel Filters

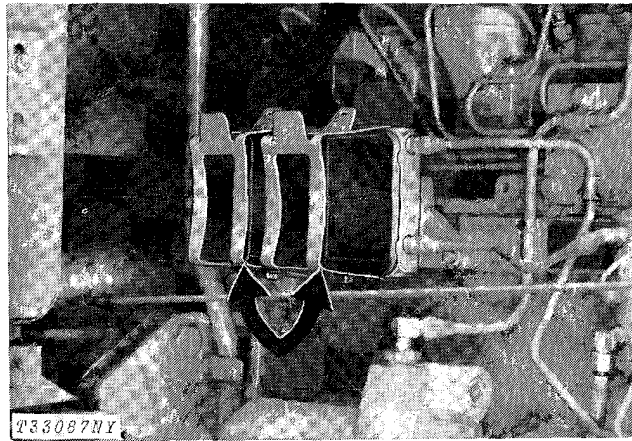


Fig. 4-Fuel Filters

Check fuel filters and drain any sediment that is present.

Sediment present in filters Yes No

4. Air Intake Hoses

Check air intake hoses for loose or improper connections. Check air cleaner-to-exhaust stack aspirator hose for restrictions, damage or loose connections.

Hoses checked Yes No

5. Batteries

Check battery electrolyte level. Batteries are located to the left of the operator and are accessible through the top door in the battery compartment. If distilled water is not available, use clean soft water. Avoid use of hard water. Remove foreign material from top of battery and coat terminals with petroleum jelly.

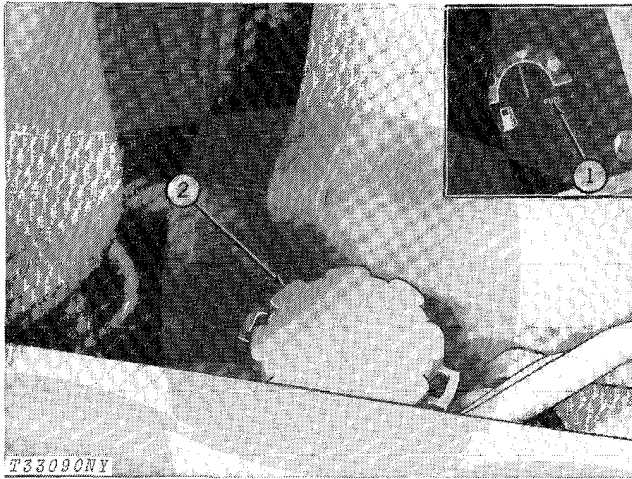
IMPORTANT: Never add water to battery in freezing weather unless engine is to be run long enough (two or three hours) to assure mixing of water and electrolyte.

Check battery connections.

Punch date code on battery.

Water added Yes No

6. Fuel Tank



1—Fuel Gauge 2—Fuel Tank Filler

Fig. 5-Fuel Tank Filler and Fuel Gauge

Check the fuel gauge. If fuel gauge indicates a low fuel supply, add sufficient fuel to fill the fuel tank. Fuel tank capacity is 56 U.S. gal. (211.9 L).

Fuel tank level Full 1/2 Full Empty

7. Radiator

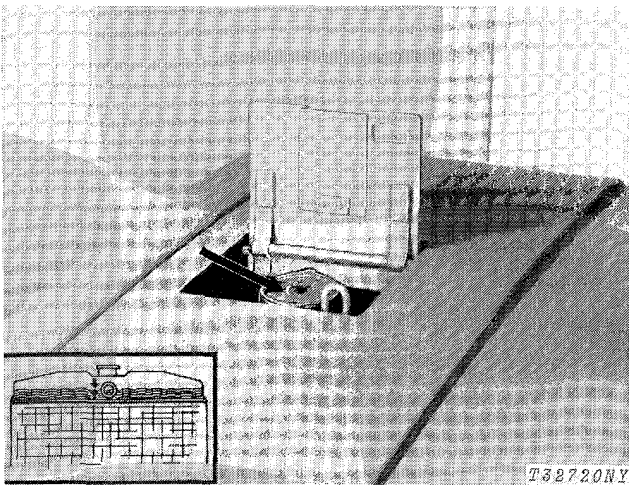


Fig. 6-Radiator Cap

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

Radiator coolant level checked Yes No

Coolant or anti-freeze added Yes No

8. Crankcase Oil Level

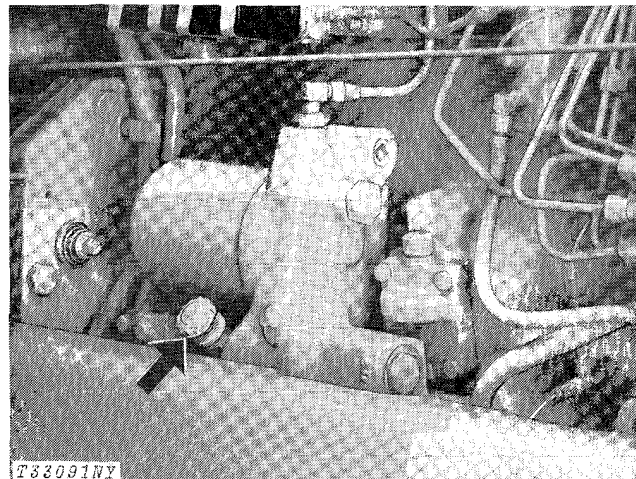


Fig. 7-Crankcase Dipstick

Check crankcase oil level with loader on level ground and the engine off. (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 10-15-2 to bring oil level up to the top mark on the dipstick.

NOTE: There is a two-quart (1.89 L) difference between the bottom mark and the top mark on the dipstick.

Crankcase oil level checked Yes No

Oil added Yes No

9. Hydraulic Oil Level

Check loader hydraulic system oil level.

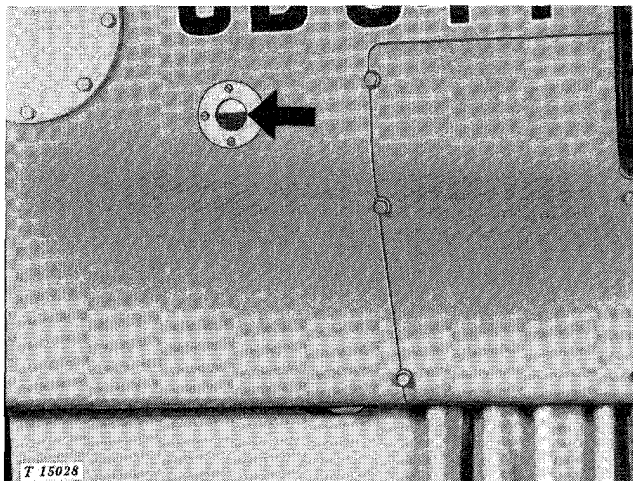


Fig. 8-Loader Hydraulic System Window Indicator

Check loader hydraulic system oil level with bucket resting on the ground. The oil level should be halfway up the window on the reservoir. If oil is low, add oil as specified on page 10-15-2 to bring level up to this point. The filler opening is located under the lid on top of the reservoir. Prevent dirt from entering system. Do not overfill.

Hydraulic system oil level checked _____ Yes No
 Oil added, if any _____ qts. (L)

10. Transmission Oil Level

Check transmission oil level.

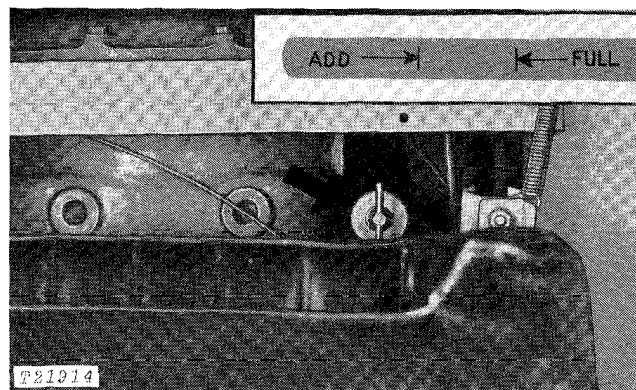


Fig. 9-Transmission Dipstick

A dipstick, located on the left side of the transmission, is accessible by tilting the back of the seat forward. The correct oil level check is made with the dipstick fully inserted in dipstick tube.

Perform both of the following transmission oil level checks: (a) Before starting the engine check the oil level with dipstick. If the oil level is at or near the upper (FULL) mark, there is sufficient oil in the system to permit starting the engine. If oil level is low add John Deere Torque-Converter Fluid (Type C-3) or equivalent. Replace dipstick and tighten finger tight.

(b) Operate loader until the transmission reaches normal operating temperature. Idle the engine and shift through all ranges slowly. This will fill all parts in the system with oil. Shift to neutral, apply the brakes and allow engine to idle. Check oil level again. It should now be at or above the lower (ADD) mark and not above the upper (FULL) mark on the dipstick. If not, add oil. Do not overfill.

Transmission oil level checked _____ Yes No
 Transmission oil added, if any _____ qts. (L)

11. Front and Rear Differential Oil Level

Check front and rear differential oil level.

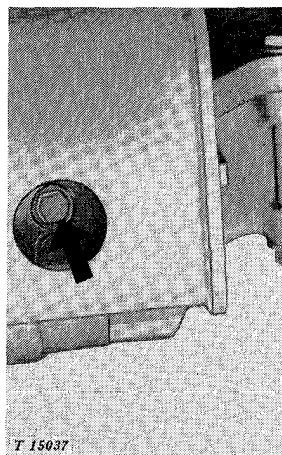


Fig. 10-Front Differential Check Plug

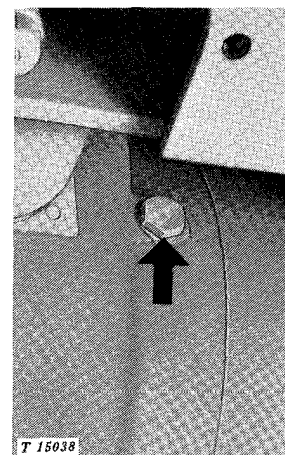


Fig. 11-Rear Differential Check Plug

Check oil level at oil level - filler plug on the side of the differential housings. Oil must be cold and loader must be on level ground. The oil level should be up to the plug. Add John Deere HY-GARD Oil or an equivalent, if necessary.

Differential oil levels checked _____ Yes No
 Oil added, if any _____ qts. (L)

12. Alternator-Fan Belt Tension



Fig. 12-Alternator-Fan Belt Adjustment

Check alternator belt tension using a deflection gauge. A force of 17 pounds (76 N) on the alternator belt midway between the pulleys should deflect the belt 0.25 inch (6.4 mm).

IMPORTANT: Do not pry on the rear alternator housing as this may damage the alternator.

Loosen alternator bracket and adjusting cap screws. Apply outward pressure to the front alternator frame. Adjust to desired tension. Tighten adjusting cap screws on alternator bracket.

When a belt tension gauge is used, the initial reading should be 130 to 140 pounds (579 to 623 N) strand tension. After 3 minutes of operation recheck belt tension. The gauge should read a minimum of 85 to 95 pounds (378 to 423 N) strand tension.

Check fan belt tension using a deflection gauge. A force of 20 pounds (89 N) on the fan belts midway between the pulleys should deflect the belts 0.75 inch (19 mm).

To adjust, turn the idler pulley adjusting screw to adjust tension on idler pulley. Tighten idler pulley adjusting screw.

When a belt tension gauge is used, the initial reading should be 95 to 105 pounds (423 to 467 N) strand tension. After 3 minutes of operation recheck belt tension. The gauge should read a minimum of 85 to 95 pounds (378 to 422 N) strand tension.

Alternator belt tension	_____lb. (kg) tension
	_____in. (mm) flex
Fan belt tension	_____lb. (kg) tension
	_____in. (mm) flex

13. Check Engine Speeds

Warm up engine and attach a tachometer to engine tachometer drive to check engine speeds.

No-load, fast idle speed should be 2375-2425 rpm. Slow idle should be 700 rpm.

If engine speeds need adjustment, see page 10-10-24.

Engine speeds checked	Yes	No
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14. Check Lubrication

The loader was checked and lubricated before it left the factory. However, to insure customer satisfaction, check each lubrication point shown in the following pages. Lubricate with several strokes, if necessary.

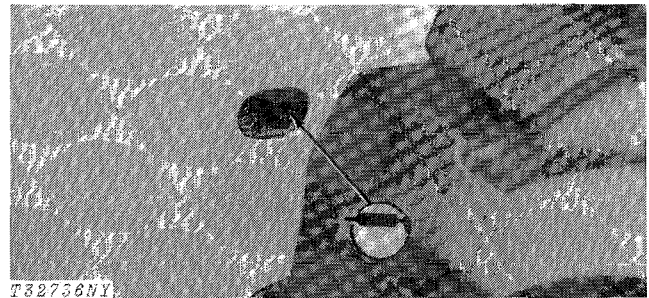


Fig. 13-Steering Cylinder Rear Pivot Pins (2 Points)

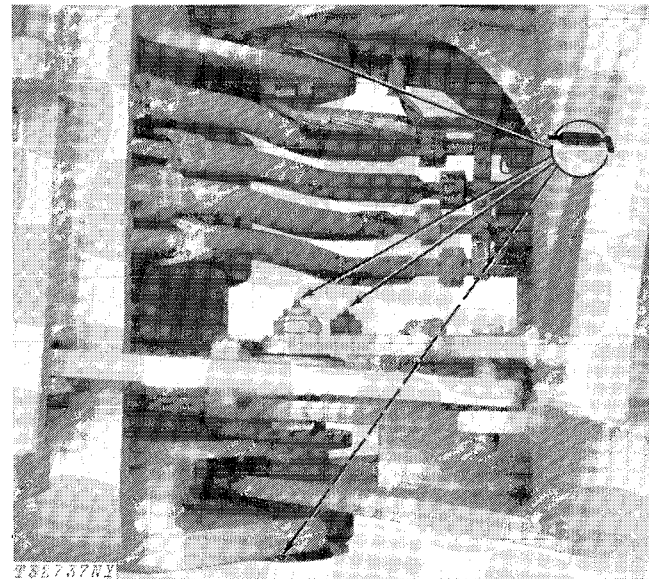
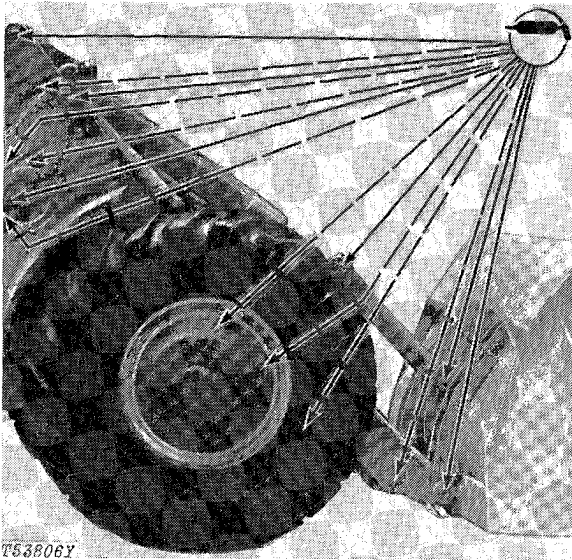


Fig. 14-Steering Cylinder Front Pivot Pins (2 Points) and Frame Hinge Pivots (2 Points)

Lubricant required	Yes	No
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Lubricate all pivot points in the linkage from the control lever to the control valves with engine oil.

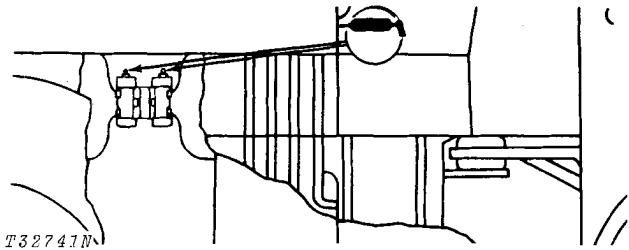
Lubricant required	Yes	No
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Fig. 15-Loader Boom and Bucket Cylinders and Pivots (14 Points)

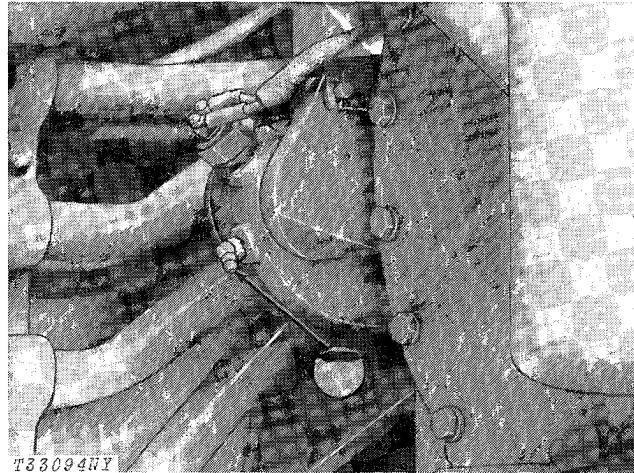
Lubricant required Yes No



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Fig. 18-Engine-to-Transmission Universal Joint (2 Points)

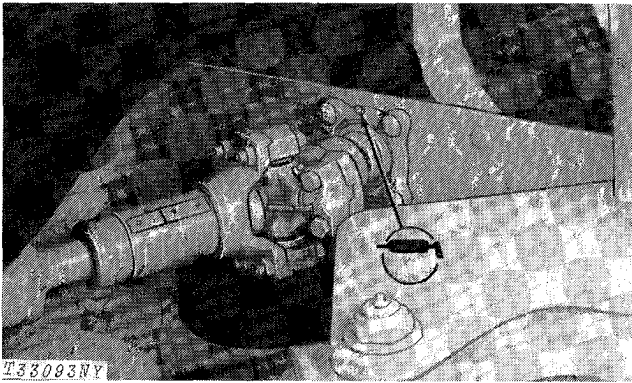
Lubricant required Yes No



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Fig. 19-Shift Control Bell Crank Fitting (1 Point)

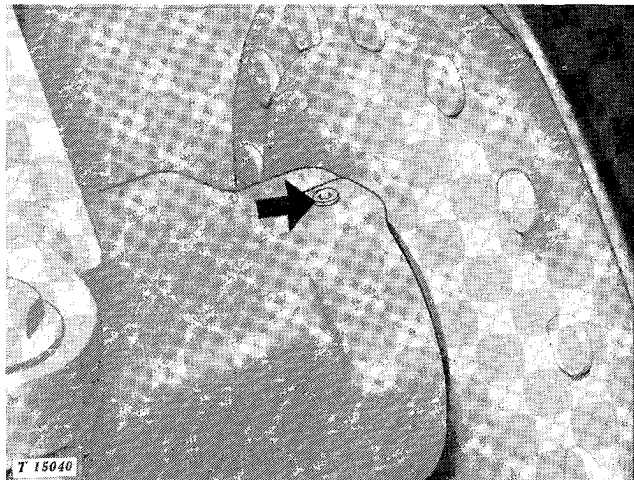
Lubricant required Yes No



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Fig. 16-Front Drive Shaft Support Bearing (1 Point)

Lubricant required Yes No

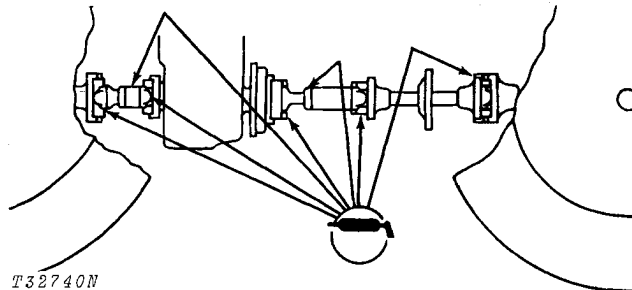


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Fig. 20-Axle Bearing Plug (Front Shown) (4 Points)

If lubrication is required, remove pipe plug in each wheel and install grease fittings. Reinstall pipe plug after greasing.

Lubricant required Yes No



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Fig. 17-Transmission-to-Differential Drive Lines (7 Points)

Lubricant required Yes No



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