

Group IV PREDELIVERY, DELIVERY, AND AFTER-SALE SERVICES

TEMPORARY STORAGE

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

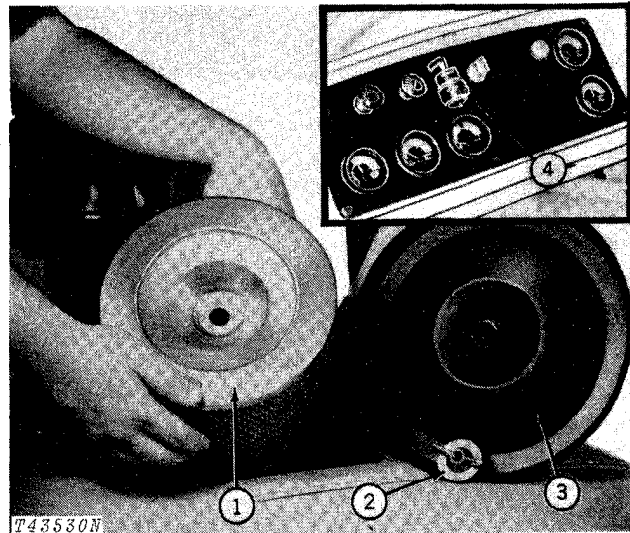
1. Check battery electrolyte level and charge the battery, if necessary.
2. Check the level of coolant in the radiator. The coolant should be maintained at a level midway between the radiator core and filler neck.
3. Fill the fuel tank.
4. Check crankcase oil level. Oil should be at top mark of dipstick after crawler has been shut down for 10 minutes.
5. Relieve hydraulic pressure by stopping engine, lowering all equipment 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.

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

1. Air Cleaner



1—Primary Filter
2—Gasket and Wing Nut

3—Air Cleaner Cover
4—Restriction Indicator

Fig. 1—Air Cleaner Primary Element

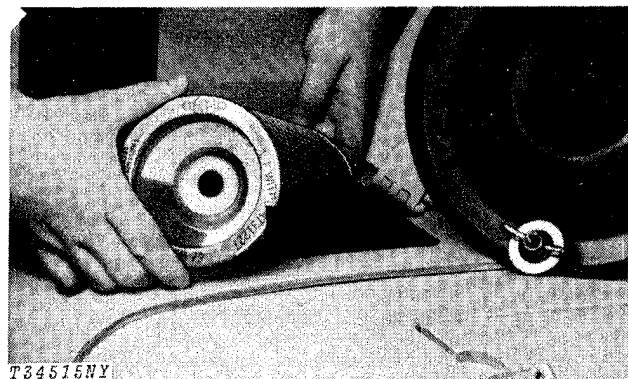


Fig. 2—Air Cleaner Safety Element

Check air filter restriction indicator. If red signal locks in full view, remove primary element and clean.

Air cleaner element checked Yes No

2. Pre-Cleaner

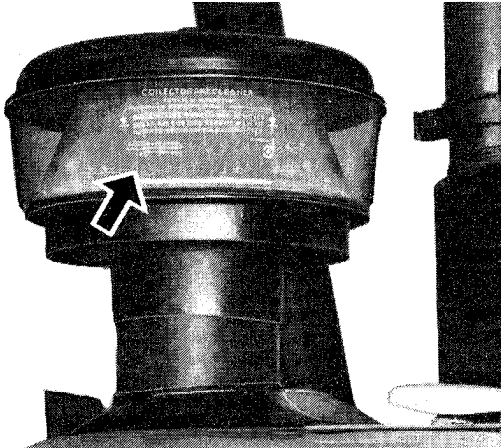


Fig. 3-Pre-Cleaner Attachment

Check the pre-cleaner and empty if necessary.

Pre-cleaner cleaned out Yes No

3. Fuel Filter



Fig. 4-Fuel Filter Drain Plug

Check fuel filter for sediment and drain, if necessary. Bleed fuel system after draining. See page I-IV-33.

Sediment present in filter Yes No

4. Battery

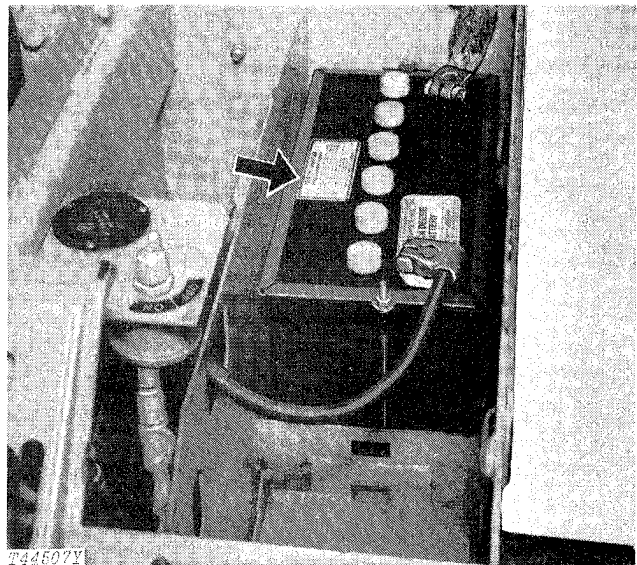


Fig. 5-Battery

Check battery electrolyte level. 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. Check vent holes in battery caps.

IMPORTANT: Never add water to battery in freezing weather unless engine is to be run 2 or 3 hours to assure mixing of water and electrolyte.

Check battery connections.

Punch date code on battery.

Water added	Yes	No
Battery connections checked	Yes	No

5. Fuel Tank

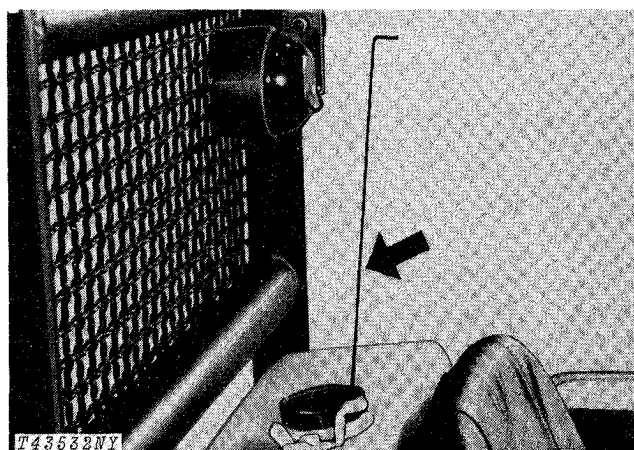


Fig. 6-Fuel Tank

Check the fuel tank level. If fuel level is low, add sufficient fuel to fill the fuel tank. Fuel tank capacity is 31 gals. (117.3 L).

Fuel tank level	Full	1/2-Full	Empty
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6. Radiator

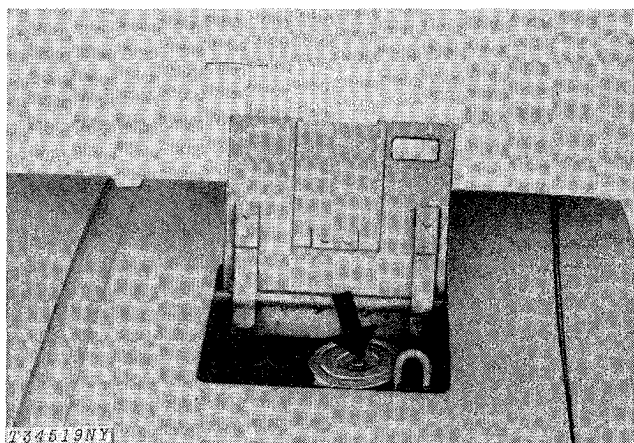


Fig. 7-Radiator Filler Cap

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

Check the level of coolant in the radiator. Coolant should be maintained at a level midway between the radiator core and filler neck. Add permanent type anti-freeze if cold weather is expected.

Radiator coolant level checked	Yes	No
Coolant or antifreeze added	Yes	No

7. Alternator Belt Tension

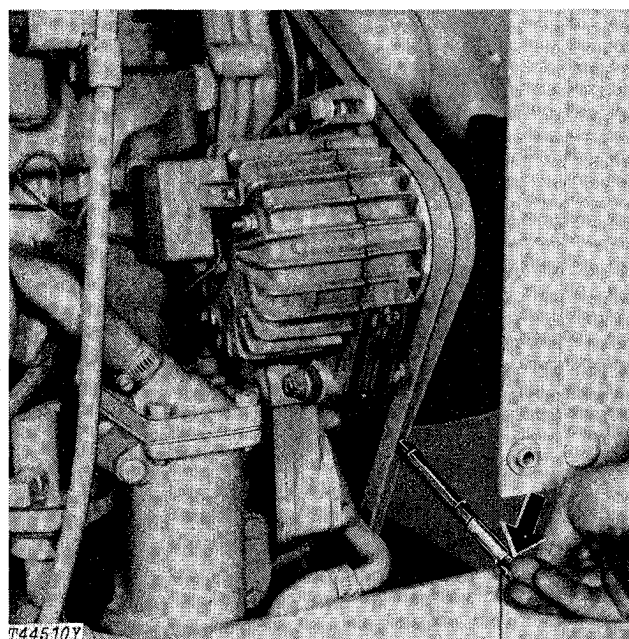


Fig. 8-Alternator Belt Tension
 (Tension Tester)

Check alternator belt tension. If tension tester is used, a force of 20 pound (89 N) on the belt midway between the pulleys should deflect the belt 3/4 inch (19 mm). If strand tension gauge is used, tighten fan belt to 90 lb. (400 N) strand tension. Loosen the alternator bracket and adjusting cap screws and apply outward force to the FRONT alternator frame.

IMPORTANT: Apply outward force on FRONT of alternator housing only.

NOTE: Recheck belt tension after adjustment. DO NOT OVERTIGHTEN.

Belt tension	_____ lbs (N) tension
	_____ inch (mm) flex

8. Air Intake Hose

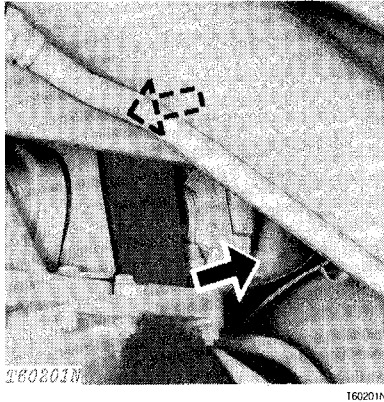
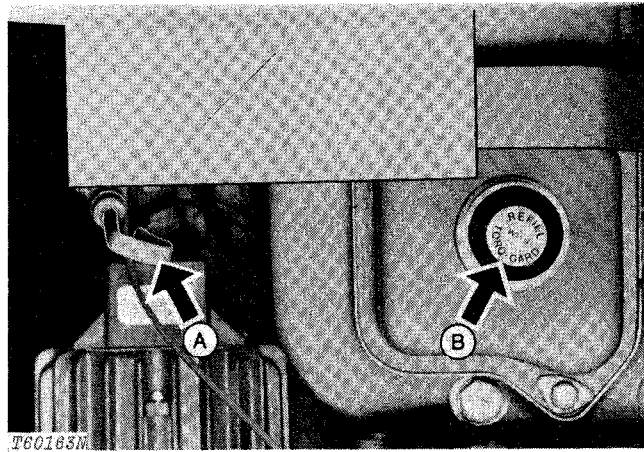


Fig. 9-Hose Clamps

Check clamps on hose which connects air cleaner and engine. Tighten hose clamps where necessary. Inspect hose for cracks.

Air intake hose checked	Yes	No
Loose connections	Yes	No

9. Crankcase Oil Level



A—Dipstick B—Oil Filler Cap

Fig. 10-Crankcase Oil Level

NOTE: Access to the crankcase dipstick and oil filler cap is obtained through a cover in the hood.

Check crankcase oil level with unit on level ground and engine off. 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-2 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)	

10. Hydraulic Reservoir Oil Level

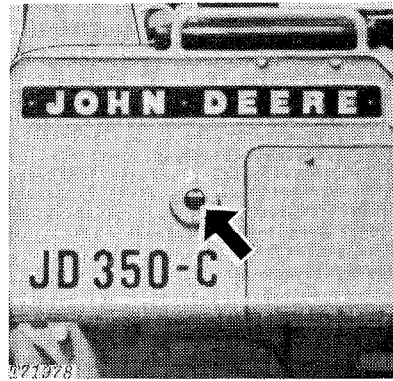


Fig. 11-Oil Level Window

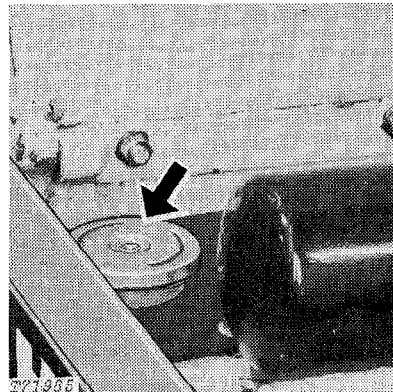


Fig. 11a-Reservoir Filler Cap

Check oil level with crawler on level surface with blade on ground, ripper or backhoe in transport position. Maintain level halfway up on oil level window.

If oil level is low, add oil specified on page I-V-2.

IMPORTANT: The hydraulic reservoir is completely closed and pressurized. Slowly remove the filler cap to relieve the reservoir pressure. When replacing the filler cap be sure it is screwed down tight and the gasket is in good condition.

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

11. Transmission Oil Level

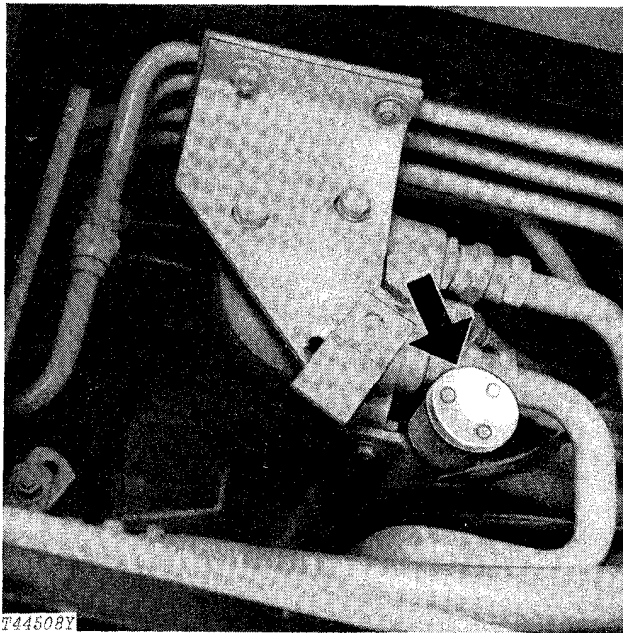


Fig. 12-Transmission Oil Dipstick

The transmission dipstick is accessible by lifting the seat cushion up. The correct oil level check is made with the dipstick resting on the filler tube.

Perform both of the following transmission oil level checks:

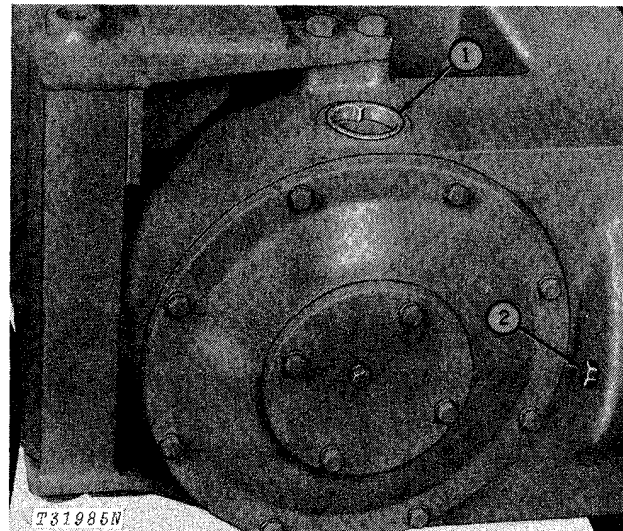
(a) Before starting the engine, check the oil level with dipstick. If the oil level is at or near the upper (FULL) mark, there is sufficient oil in the system to permit starting the engine. If oil level is low, add transmission oil of the type specified on page I-V-2. Replace dipstick.

(b) Operate crawler until the transmission reaches normal operating temperature-transmission temperature gauge needle a minimum of 1/4 way up in light green zone. With the engine idling, transmission locked in neutral and the parking brake set, check the transmission oil level.

Oil level should now be at or above the lower (ADD) mark and not above the upper (FULL) mark on the dipstick. If necessary, add fluid of the type specified on page I-V-2. Do not overfill.

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

12. Winch Housing Oil Level



1—Filler Plug

2—Oil Level Plug

Fig. 13-Winch Oil Level

Check oil level of winch housing by removing the oil level plug. If necessary, remove the filler plug and add oil as specified on page I-V-2 until oil is to level of oil level hole.

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

13. Fuel Tank Sump

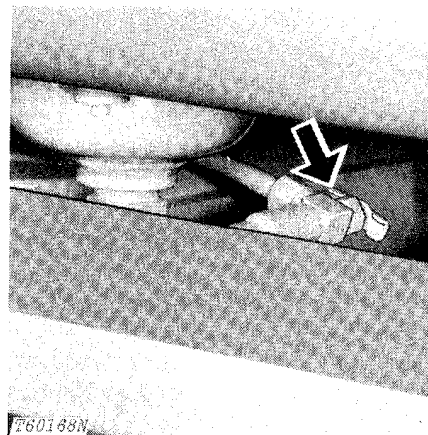


Fig. 14-Fuel Tank Sump Drain Cock

Drain sump after crawler has been shut down 3-4 hours. Open drain cock under seat. Drain fuel until it is clear of water, dirt, etc. Close drain cock.

Fuel sump drained Yes No



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