AFTER-SALE INSPECTION

The purchaser of a new John Deere tractor is entitled to a free inspection within the warranty period after the equipment has been "run in". The terms of this after-sale inspection are outlined on the back of the John Deere Delivery Receipt.

The purpose of this inspection is to make sure that the customer is receiving satisfactory performance from his tractor. At the same time, the inspection should reveal whether the tractor is being operated, lubricated, and serviced properly.

If the recommended after-sale service inspection is followed, the dealer can eliminate a needless volume of service work by preventing minor irregularities from developing into serious problems later on. This will promote strong dealer-customer relations and present the dealer an opportunity to answer questions that may have arisen during the first few days of operation.

The following inspection program is recommended within the first 100 hours of tractor operation.

Cooling System

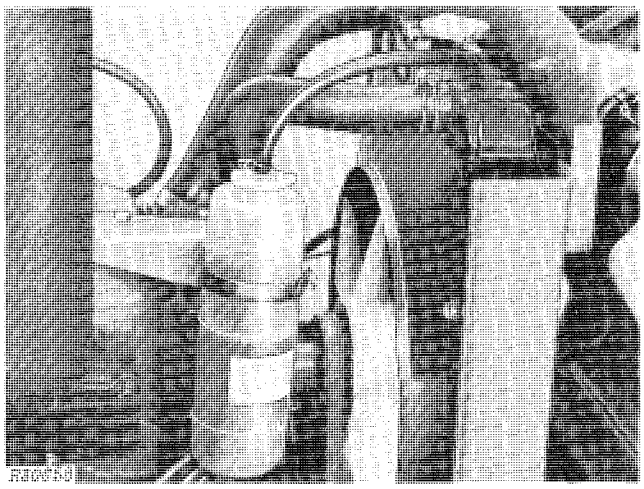


Fig. 30-Expansion Tank Coolant Level

1. Check radiator expansion tank. Coolant should be between the marks on the tank. If not, fill to the full mark and determine where the coolant was lost.

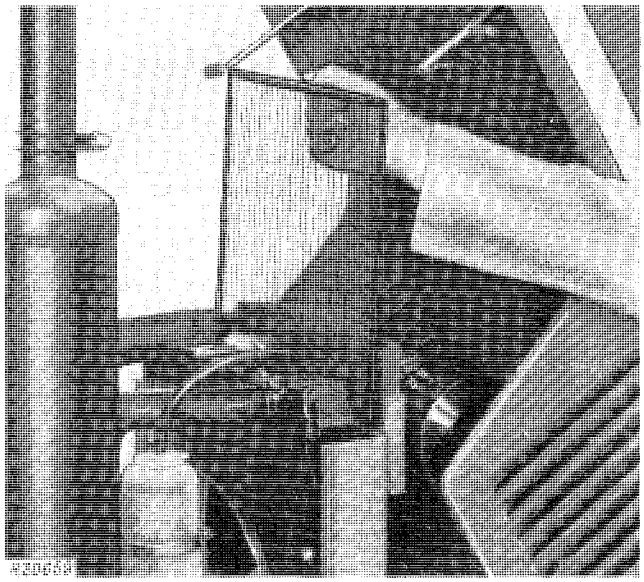


Fig. 31-Removing Radiator Screen

2. Remove any debris which has collected on the radiator screen.

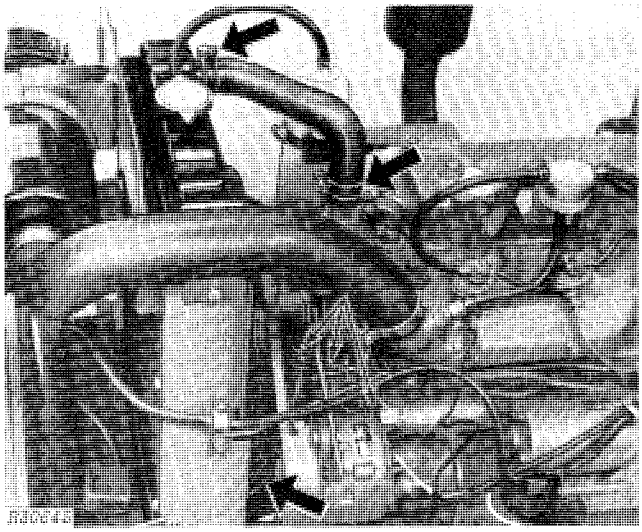
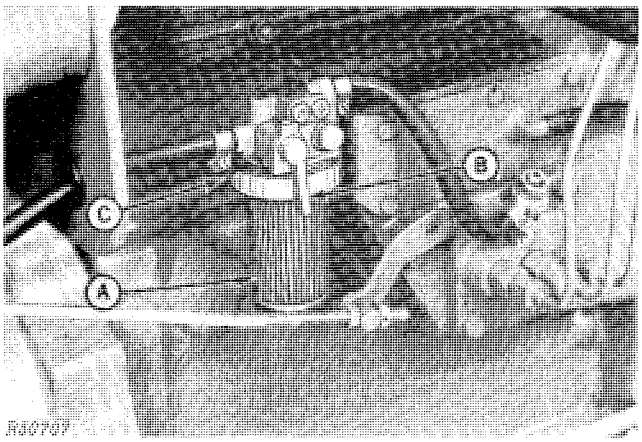


Fig. 32-Cooling System Connections

3. Check all hoses and connections for leaks. Correct if any are found.

Fuel System

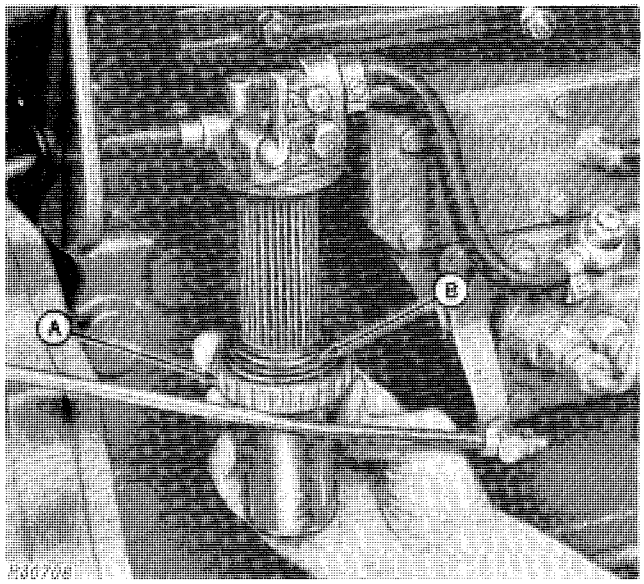


A—Sediment Bowl B—Valve Handle C—Retaining Nut

Fig. 33-Fuel Filter Housing

1. Check sediment bowl (A, Fig. 32) for dirt or water. Empty if necessary.

To empty, close the valve on the filter housing (B), then turn the retaining nut loose (C) and remove sediment bowl.



A—Retaining Nut B—O-Ring

Fig. 34-Reinstalling Sediment Bowl

When reinstalling sediment bowl, be sure the O-ring (B, Fig. 34) is in the groove in the retaining nut (A). Also, open the valve to let fuel flow out. Doing this prevents air from getting in the system.

Remind customer of importance of proper fuel storage.

2. Check entire system for leaks.

3. Inspect air filter and clean if necessary.

Lubrication

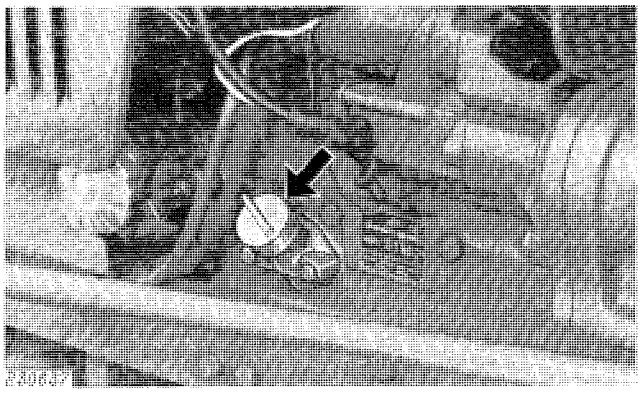


Fig. 35-Engine Oil Dipstick

1. With the tractor on level ground and stopped for ten minutes or more, loosen dipstick and remove it. If the oil level is low, add enough oil to bring it up to the top of cross-hatching.

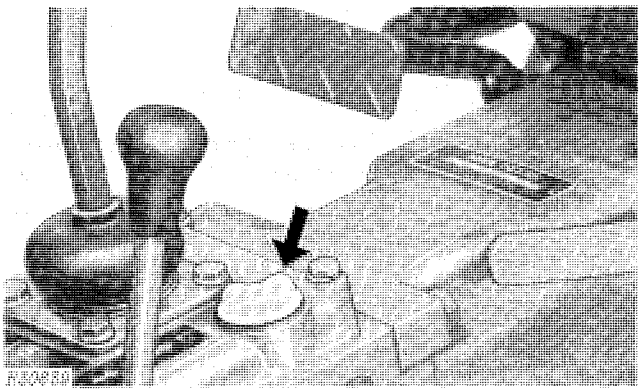


Fig. 36-Transmission-Hydraulic System Dipstick

2. With the tractor on level ground, loosen the transmission dipstick and see if the oil level is in the safe range. If not, add enough oil to bring it up to the top of cross-hatching.

Electrical System

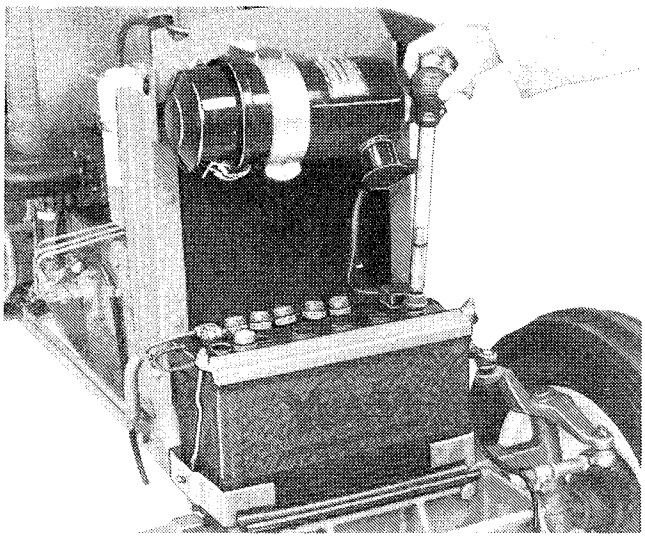


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Fig. 37—Checking Specific Gravity

1. Check specific gravity of battery with a hydrometer. Specific gravity is 1.260 when corrected for 80°F (27°C). To correct for temperature of electrolyte, add 0.004 for every 10°F above 80°F (0.007 for every 10°C above 27°C). Subtract at the same if electrolyte is below 80°F (27°C).

If battery is not near full charge, determine the reason.

2. Check level of electrolyte in each cell. Level should be to bottom of filler neck. If water is needed, use clean mineral-free water.

3. Use JDST-28 Belt Tensioning Tool to check tension of fan belt (Fig. 38). Belt should deflect 3/8 to 5/8 in. (10 to 15 mm) when a 20 lb. (89 N) force is applied.

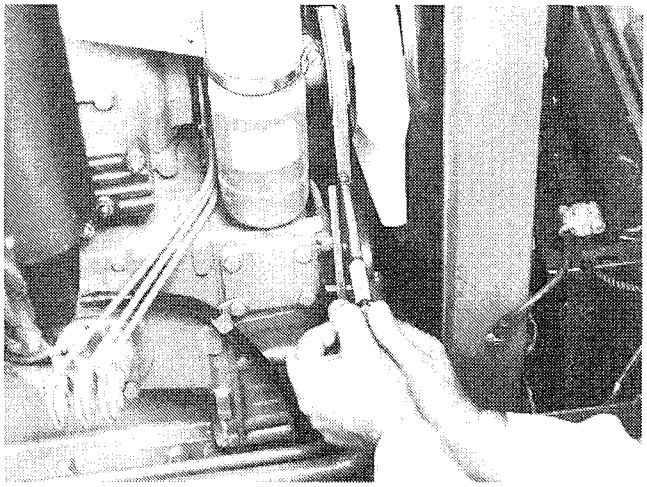

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Fig. 38—Checking Belt Tension

4. Check operation of all lights. If there is a problem, refer to group 20 of Section 240.

5. Follow engine starting instructions beginning on 10-05-9. Check operation of starter and warning lights.

OPERATION

Perform all checks as instructed under "OPERATION" beginning on page 10-05-11.

1. Driving tests.
2. Brake adjustment.
3. Power take-off.
4. Implement hitch components.

ENGINE

1. Check engine speeds as instructed on page 10-05-10.

2. Check engine valve clearance as instructed in Group 10 of Section 20. Intake valve clearance should be 0.008 in. (0.20 mm). Exhaust valve clearance should be 0.006 in. (0.15 mm).