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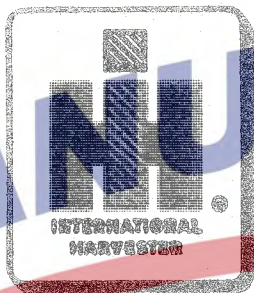
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Illust. 1

Tractor equipped with radiator guard exhaust muffler and torque amplifier attachments.

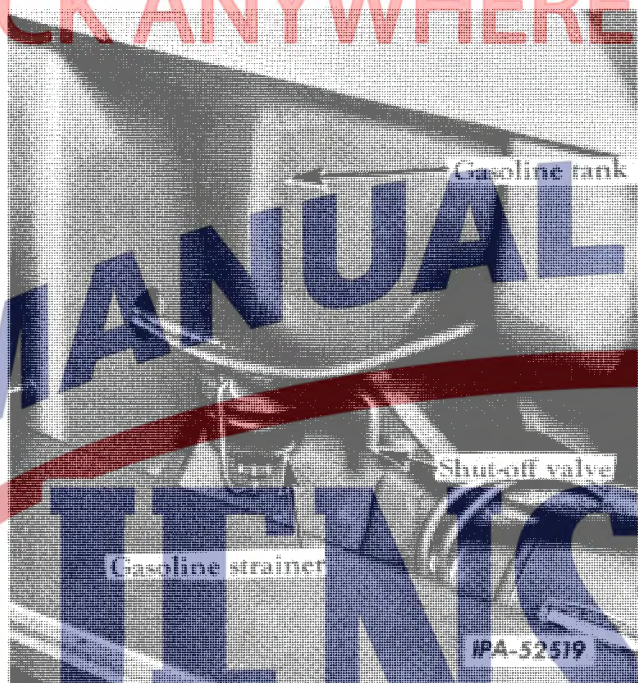
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OPERATION

Open the gasoline shut-off valve. Illust. 10.



Illust. 10
Gasoline tank and shut-off valve.

Battery

Inspect the battery to see that the electrolyte is up to the correct level. Refer to page 35.

Cooling System

Be sure the radiator drain plug and the crankcase coolant drain valve is closed. Illust. 11 and 12.

Do not start the engine until the cooling system is filled.



Illust. 11
Crankcase coolant drain valve.



Illust. 12
Radiator drain plug

Remove the radiator filler cap and see if the coolant reaches a level of 2-1/4 inches below the filler neck. Add coolant if necessary.

Install the filler cap and tighten it securely.

Lubrication

Check to be sure the oil level in the crankcase is up to the "FULL" mark on the crankcase oil level gauge. Add oil if necessary. Illust. 13. Refer to the "LUBRICATION GUIDE" for complete lubrication requirements.



Illust. 13
Crankcase oil filler.

MAINTENANCE

stop screw can be backed out a little at a time until the desired idle speed is obtained.

If the engine misses or rolls while backing out the throttle stop screw, the idle adjusting screw may be adjusted either in or out until the engine operates smoothly. Speed up the engine for a few seconds; then recheck the idle adjustment. A slight adjustment in or out will give the smoothest idle.

Removing the Carburetor

1. Close the gasoline shut-off valve at the gasoline tank.
2. Drain the carburetor.
3. Disconnect the choke wire and governor control rod.
4. Disconnect the fuel line.
5. Disconnect the air cleaner connection at the carburetor.
6. Remove the complete carburetor by removing the hardware which fasten it to the manifold.

Installing the Carburetor

1. To install the carburetor on the engine, reverse the process of removal. We recommend replacing the carburetor-to-manifold gasket.
2. Turn on the fuel supply.
3. If necessary, adjust the carburetor as described previously.

Cleaning the Gasoline Strainer and Sediment Bowl

1. Close the gasoline shut-off valve.
2. Take the strainer apart by loosening the lower jam nut.
3. Clean out the sediment bowl and clean the screen if necessary.
4. When reassembling, be sure the cork gasket between the bowl and the main body is in good condition and does not leak. We recommend replacing the gasket.

STEERING CLUTCHES

The steering clutch levers must have 2-1/2 to 3 inch free travel before meeting resistance for normal operation.

If the free travel of the levers is incorrect, adjustment is necessary.

Adjusting the Steering Clutch Lever Free Travel (Illust. 40)

1. Loosen lock nut "A." Pull the steering lever back all the way.
2. Turn adjusting screw "B" to provide a three inch free travel measured at the top of the lever handle.



Illust. 40
Steering clutch and stopping brake adjustment.

Legend

- | | |
|---------------------|----------------------|
| A. NUT, lock. | D. PIN. |
| B. BOLT, retaining. | E. NUT, lock. |
| C. ROD, brake. | F. SCREW, adjusting. |

3. If too much free travel is obtained, pull the lever back and back off on the adjusting screw. If too little free travel is obtained, pull back on the lever and turn the adjusting screw in.

4. Tighten the lock nut, "A."

5. Repeat the adjustment for the lever on the opposite side.

Adjusting the Steering Clutch Lever Spring Tension

The steering clutch spring tension adjustment controls the pressure with which the clutch shoes hold the sun gear discs. This adjustment is not affected by the wear of the clutch shoe linings. To adjust the steering clutches, proceed as follows:

1. Loosen the lock plate cap screw and slide the lock plate away from the steering clutch spring adjusting screw located in the center of the main frame cover behind the seat.

Continued on next page.