

MAINTENANCE

Carburetor

The presence of dirt and water in the fuel will disturb the functioning of the carburetor. Use a good grade of clean gasoline.

The fuel strainer (located under the gasoline tank) collects practically all the dirt and sediment which may enter the gas tank. Clean the fuel strainer after every 250 hours of operation.

A small strainer screen is provided in the carburetor at the fuel-line connection. This screen prevents dirt or metal chips which may have collected in the fuel line during field installation from entering the carburetor. The screen can be cleaned if necessary, when the carburetor is removed, by removing the fuel bowl cover and float valve cage assembly and forcing air through the screen in the opposite direction from the fuel flow.

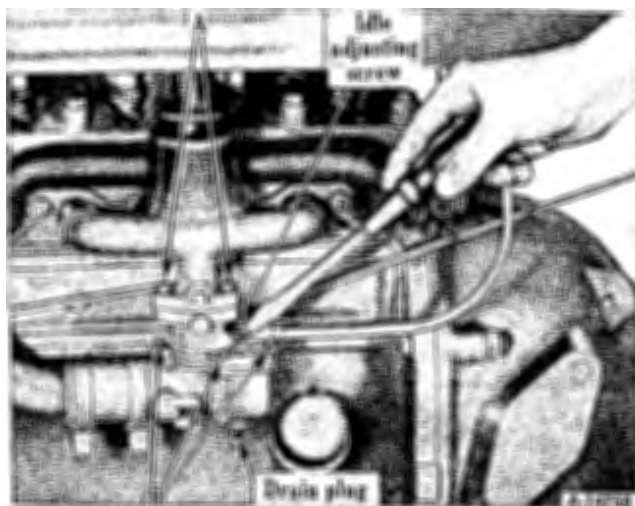
Periodically check for tightness flange nuts "A" (*Illust. 24*) which hold the carburetor to the manifold.

Occasionally check cover screws "B" (*Illust. 24*) which fasten the fuel bowl to the fuel bowl cover. They must be kept tight to avoid any air leakage past the fuel bowl cover gasket.

The engine and carburetor are correctly set when shipped from the factory. If for any reason this setting has been disturbed, the following procedure should be followed:

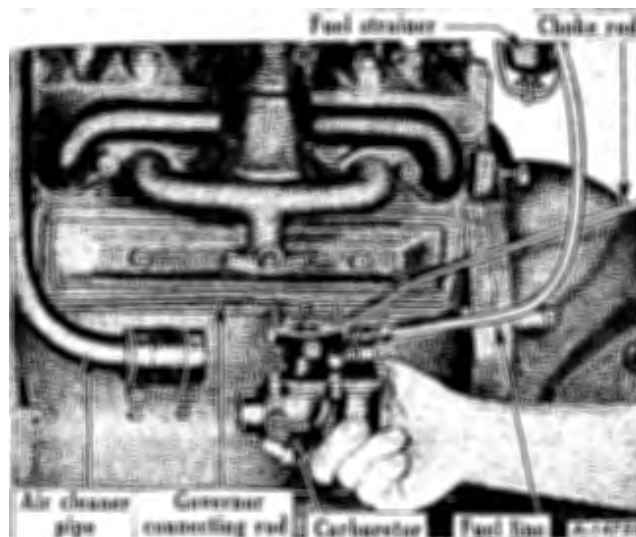
Adjusting the Idle Adjusting Screw

Close the idle adjusting screw to its seat by turning to the right (or in); then open one full turn. Start the engine and operate it at the fast idling speed (without any load) until thoroughly warm. (Cover the radiator if necessary.)



Illust. 24

Carburetor adjustment.



Illust. 24A

Removal of carburetor.

Close the throttle by pulling the engine speed control lever all the way back. If the engine misses or rolls, slowly turn the idle adjusting screw in or out until the engine operates smoothly. Speed up the engine for a few seconds; then recheck the idle.

Removing the Carburetor

1. Close the shut-off valve on the fuel strainer.
2. Drain the carburetor by removing the drain plug.
3. Disconnect the choke and governor controls.
4. Disconnect the fuel line.
5. Remove the air cleaner connections to the carburetor.
6. Remove the two nuts and lock washers holding the carburetor to the manifold, and lift off the complete carburetor. See *Illust. 24A*.

Installing the Carburetor

1. Install the carburetor on the engine in the reverse order of removal.
2. Always install a new gasket between the carburetor and manifold if the old one is damaged.
3. Be sure the carburetor drain plug is screwed in tight; then turn on the gasoline supply.
4. Adjust the carburetor as described previously.