

ZENITH CARBURETOR ADJUSTMENT

Turn idle adjusting needle in lightly against its seat, then back out needle 1 1/2 turns as a preliminary adjustment.

With throttle held in closed position, turn throttle stop screw in until stop screw just contacts throttle stop and then turn stop screw in 1 1/2 additional turns as a preliminary idle speed setting

Set main jet adjusting needle at 4 1/2 full turns open.

Start engine and let it run a few minutes until warm enough for final adjustments. Set the throttle stop screw for the desired idling speed.

Set the idle adjusting needle for smooth idling. Turning the needle in (clockwise) reduces air and makes the mixture richer, while turning it out (counter clockwise) admits more air into the mixture making it leaner (avoid using a mixture that is too lean).

To set the main jet adjustment, hold the throttle open so that the engine is running at about 1/2 its normal operating speed. Turn the adjusting needle toward its seat until it causes the engine to give evidence of a lean mixture by running irregularly. Then turn the needle away from its seat, carefully counting the turns made until the engine shows a trace of rich mixture. Set the adjustment. Then at just about halfway between the lean point and the rich point, hold the adjustment at this point and tighten the packing nut so there is no leakage of fuel around the adjusting needle.

Note: Check the fuel line connections so there is no leakage.

Look at magneto points and make sure they are not pitted and are adjusted to the proper gap (.020" if Fairbanks Morse - .014" to .016" if Edison Splitdorf). Check spark plug to make sure it is clean and properly gapped at .027".

Received from Frazer Farm Equipment August 1985.