Service Instructions for Repair of
Zenith 62 Series
Carburetors
PART # ABC340

Check number on metal identification tag riveted to
 carburetor to determine that repair kit is applicable to
numbers shown. The Zenith Assembly # is the inside # on
the tag. The tractor's manufacturer's # is on the outer edge.

1. Separate upper body from the lower body, taking
care to avoid damage to float. Remove and save all
parts from upper and lower bodies.

2. Clean both castings thoroughly in carburetor cleaner
solvent or gasoline if solvent is not available.

3. Blow out all channels and passages with
compressed air. Be sure castings are clean.

REASSEMBLY
(Always install all parts contained in kit.)

1. Carefully inspect all parts to make sure that they
have been thoroughly cleaned and that all jet
passages are clean.

2. Install the throttle shaft, retainer and packing in
position, then insert throttle plate (A). Back off idle
screw on throttle shaft so throttle plate will close
tight. Insert screws and tighten securely. If throttle
shaft binds, turn to closed position and lightly tap
shaft directly over the center of throttle plate.

3. Install throttle throw lever in some position as
removed. (Some models have the throttle throw
lever and throttle stop lever in one assembly.)

4. Install idling adjusting needle (B) and spring.

5. Insert venturi (C) in throttle body, large opening first.
   Align screw hole, insert and tighten screw.

6. Insert idling jet (D) in counter bored passage next to
   venturi.

7. Install fuel valve seat (E) and fiber washer.

8. Install fuel valve needle (F) in seat, followed by float
   (G) and float axle.

9. To adjust float for correct fuel level, place throttle
   body flange down and bend float lever close to float
   body so that float measures 1-39/64" (plus or minus
   3/64") from gasket surface of casting to farthest
   point of float. Do not bend float hinge.

10. Install air shutter shaft in bowl casting by rotating
    shaft to face flat section outward.

11. Insert air shutter plate (H) with spring of poppet
    valve down. Be sure plate is centered before
    tightening screws securely.

12. Hold air shutter plate in open position. Place air
    shutter lever on shaft so that the leg on the lever
    contracts the lug on the lower side of bracket.

13. Install air shutter lever retainer nut, and lock washer
    and tighten firmly.

14. Install retracting spring. Connect one end to lever
    and the other end to lug on bracket.

15. Install main discharge jet (I) and washer.

16. Install well vent jet (J) and tighten securely.

17. Install main jet (K) and washer in bottom of fuel
    bowl.

18. Install the main jet adjustment assembly (L) and
    washer over main jet.

19. Place bowl to body gasket on machined surface of
    throttle body.

20. Assemble the two completed bodies. Tighten screws
    evenly and firmly.

21. Install fuel inlet plug and filter screen assembly with
    washer.

PRIMARY ADJUSTMENTS

1. Set idle screw on throttle shaft 1¾ complete turns off
   stop pin.

2. Set idle adjusting needle 1¼ full turns off seat.

3. Set main adjusting needle 1¼ turns off main jet seat.