

## Service Instructions for Repair of

### Marvel-Schebler Model DLTX Series Carburetors

---

Check serial number of tractor to determine that kit is applicable for repair of carburetor.

#### DISASSEMBLE THE CARBURETOR

1. Separate upper body from 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.

#### REASSEMBLE THE CARBURETOR

*(Always install all parts contained in kit.)*

1. Install lower throttle shaft open end bushing and hole plug or blind end bushing depending upon which is supplied.
2. Install upper shaft bushing.
3. Ream throttle shaft bushings with standard size machine reamer.
4. Install all channel plugs and economizer plugs.
5. Install throttle shaft and lever assembly valve and screws. Be sure valve is properly centered before tightening screws.
6. Install choke shaft and lever, choke valve and screws. Be sure valve is centered before tightening screws.
7. Install idle adjusting needle.



## Service Instructions for Repair of

### Marvel-Schebler Model DLTX Series Carburetors

---

Check serial number of tractor to determine that kit is applicable for repair of carburetor.

#### DISASSEMBLE THE CARBURETOR

1. Separate upper body from 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.

#### REASSEMBLE THE CARBURETOR

*(Always install all parts contained in kit.)*

1. Install lower throttle shaft open end bushing and hole plug or blind end bushing depending upon which is supplied.
2. Install upper shaft bushing.
3. Ream throttle shaft bushings with standard size machine reamer.
4. Install all channel plugs and economizer plugs.
5. Install throttle shaft and lever assembly valve and screws. Be sure valve is properly centered before tightening screws.
6. Install choke shaft and lever, choke valve and screws. Be sure valve is centered before tightening screws.
7. Install idle adjusting needle.



8. Install load adjusting needle.
9. Install nozzle. Tap bottom of the nozzle lightly to seat in casting.
10. Install float valve and float assembly.
11. Install float lever pin and float lever bearing screws.
12. To obtain correct fuel level check position of float to measure from top of fuel bowl to top of float 1/2" on models DLTX-3 to DLTX-63 inclusive and 3/8" on models DLTX-67 to DLTX-85. Be sure to bend float lever next to the float when obtaining these measurements.
13. Install fuel strainer assembly and gasket.
14. Assemble castings using new bowl and retaining nut gaskets. Tighten bowl retaining nut securely.

#### PRIMARY ADJUSTMENTS

1. Set idle adjusting needle 1-1/2 turns off seat.
2. Set load adjusting needle 1 turn off seat.

8. Install load adjusting needle.
9. Install nozzle. Tap bottom of the nozzle lightly to seat in casting.
10. Install float valve and float assembly.
11. Install float lever pin and float lever bearing screws.
12. To obtain correct fuel level check position of float to measure from top of fuel bowl to top of float 1/2" on models DLTX-3 to DLTX-63 inclusive and 3/8" on models DLTX-67 to DLTX-85. Be sure to bend float lever next to the float when obtaining these measurements.
13. Install fuel strainer assembly and gasket.
14. Assemble castings using new bowl and retaining nut gaskets. Tighten bowl retaining nut securely.

#### PRIMARY ADJUSTMENTS

1. Set idle adjusting needle 1-1/2 turns off seat.
2. Set load adjusting needle 1 turn off seat.