

146. General

The only adjustments which can be made on these carburetors are governor and float level setting. Instructions for setting the float level follow. The governor need not be adjusted unless it is operating incorrectly. Chapter 13 treats the governor in detail.

163

164

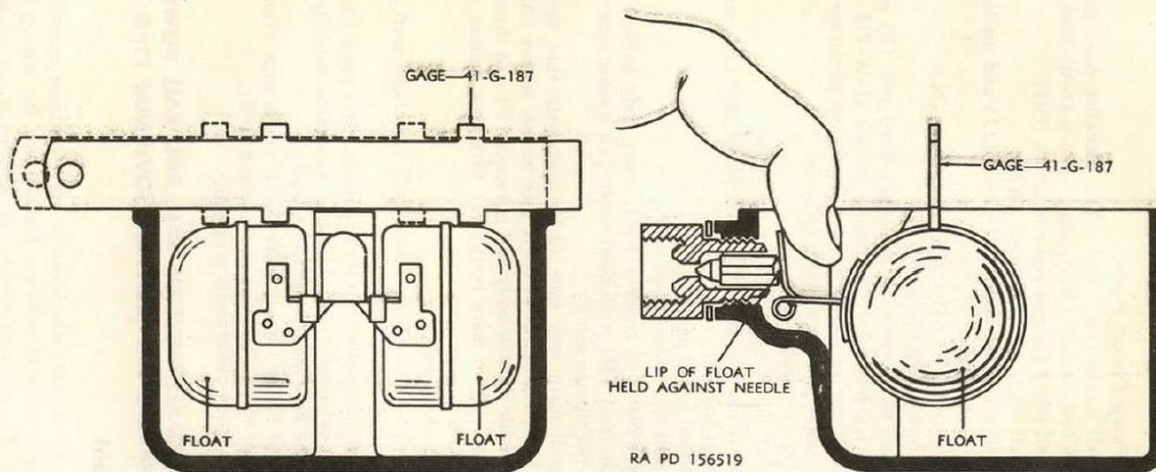


Figure 86. Adjusting float level, ball and ball downdraft carburetor (built-in governor type).

147. Float Level Adjustment (fig. 86)

Hold the lip of the float against the needle to seat it. Be sure the float pin is bottomed in the slot. Gage from the top of the float bowl, using gage 41-G-187. Both halves of the float should be gaged as shown. Set the float level by bending lip of float, do not bend float.

FLOAT LEVEL GAGE 41-G-187
FLOAT LEVEL (INCHES) 5/64

Table XI. Ball and Ball Downdraft Carburetor (Built-In Governor Type)

Item	Ball and Ball Downdraft Carburetor (Built-In Governor Type) Models			
	561S	565S	577S	ETWI ETWIRU
Main venturi (diam-in.)	1 $\frac{3}{16}$	1 $\frac{3}{16}$	1 $\frac{3}{16}$	1 $\frac{3}{16}$
Bowl vent (type and diam-in.)	Inside 0.218	Inside 0.218	Inside 0.218	Inside 0.218
Idle bleed hole (diam-in.)	0.0635	0.067	0.0635	0.055
Economizer (diam-in.)	0.0635	0.0635	0.0635	0.054
Main metering jet	CAR-159-59S	7378100 CAR-159-87S	CAR-159-59S CAR-159-59S	7278101 CAR-159-89S
Main vent tube	CAR-145-46S	CAR-145-55S	CAR-145-46S	CAR-145-51S
Idle orifice tube	7324057 CAR-123-47S	7324057 CAR-123-47S	7324057 CAR-123-47S	7324057 CAR-123-47S
Step-up jet	CAR-149-78S	CAR-149-85S	CAR-149-78S	7351066 CAR-149-82S
Repair parts package	CAR-1338	CAR-1348	CAR-1338	700165 CAR-1341
Gasket assortment	CAR-177	736572 CAR-183	CAR-177	7001066 CAR-178
Float level (in.)	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Float level gage	41-G-187	41-G-187	41-G-187	41-G-187