

## ROCHESTER MODEL B SINGLE BARREL

### CHEVROLET & GMC

Application	Rochester No.
1965	
230" 6 Cyl. ....	7023017
230" 6 Cyl. Economy Option.....	7023021
230" 6 Cyl. P-20, 2500, 30 & 3500.....	7023011
292" 6 Cyl. ....	7024009
1966	
194" 6 Cyl. ....	7026019
230" 6 Cyl. ....	7026017
250" 6 Cyl. ....	7026011
292" 6 Cyl. ....	7024009
292" 6 Cyl. With A.I.R. ....	7036009
1967	
230" 6 Cyl. ....	7026017
250" 6 Cyl. ....	7027011
250" With Governor.....	7027029
292" 6 Cyl. ....	7027009
292" 6 Cyl. With A.I.R. ....	7037009

**NOTE** — Carburetors used on vehicles with A.I.R. are special units with different jet calibrations and adjustment specifications.

### CARBURETOR IDENTIFICATION

Rochester carburetor number is stamped on a tag attached to carburetor. A.I.R. carburetors use a square tag, all other carburetors use a triangular tag. **NOTE** — Do not remove this tag.

### DESCRIPTION

Single barrel downdraft type carburetor utilizing a manual choke.

### ADJUSTMENT

#### HOT (SLOW) IDLE RPM

See appropriate article in *TUNE-UP Section*.

#### COLD (FAST) IDLE RPM

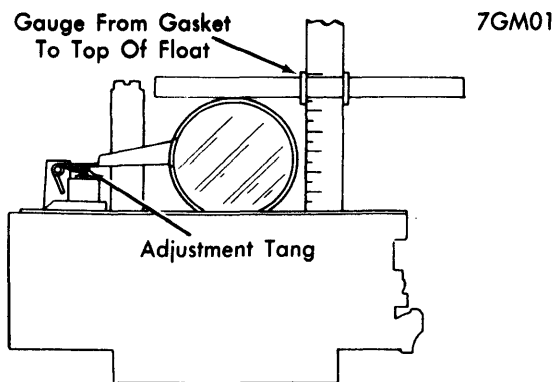
See appropriate article in *TUNE-UP Section*.

#### ACCELERATOR & DOWNSHIFT LINKAGE ADJUSTMENT

See appropriate article in *TUNE-UP Section*.

#### FLOAT LEVEL

Invert air horn with gasket in place and measure distance between top of each float and air horn gasket (see illustration).

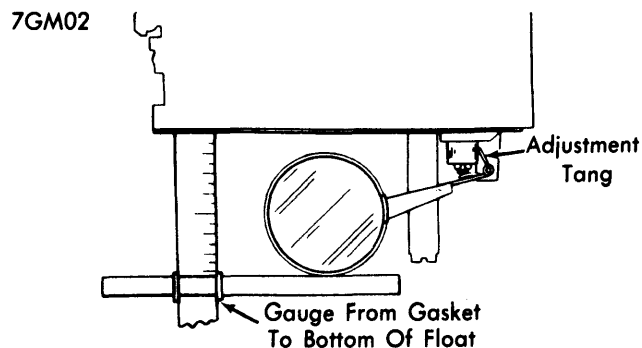


**FLOAT LEVEL ADJUSTMENT**

(illustration). Distance should be as indicated in specifications. To adjust bend float tang containing needle valve. Align both floats and ensure that they are centered in gasket cutout. Recheck float level if adjustment is required.

#### FLOAT DROP

Hold air horn assembly upright with floats hanging free, then measure distance from surface of air horn gasket to bottom of float (see illustration). Distance should be as indicated in specifications. To adjust, bend tang at needle valve.



**FLOAT DROP ADJUSTMENT**

#### IDLE VENT

With throttle valve open, insert specified gauge between throttle valve and bore opposite idle mixture needle. Adjust valve on top of air horn until vent is just opening.

### OVERHAUL

#### DISASSEMBLY

- 1) Remove air horn attaching screws and choke bracket. Lift cover straight up, turn upside down and remove float pin, floats and needle valve. Remove float needle valve seat and gasket.
- 2) Remove metering jet and power valve assembly from main well support. When removing power valve, care must be taken not to lose small spring and check ball. Remove main well support, power piston, spring and gasket from cover.
- 3) Remove throttle kick lever and spring. Hold accelerator pump lever down and remove retainer pin from pump link. Remove pump link and lift pump plunger from bowl. Remove plunger spring.
- 4) Using needle nose pliers, remove pump discharge guide. By turning bowl upside down, check ball and spring will fall from guide hole. Remove throttle body assembly from float bowl. Remove idle mixture screw and spring from throttle body.

#### CLEANING & INSPECTION

Clean all carburetor castings and metal parts in a suitable carburetor cleaning solution. Do not immerse accelerator pump or any rubber or synthetic components in solution. These components should be cleaned in clean gasoline. Check all parts and casting passages for carbon deposits and blow out all passages with compressed air. Inspect all components for wear or damage.

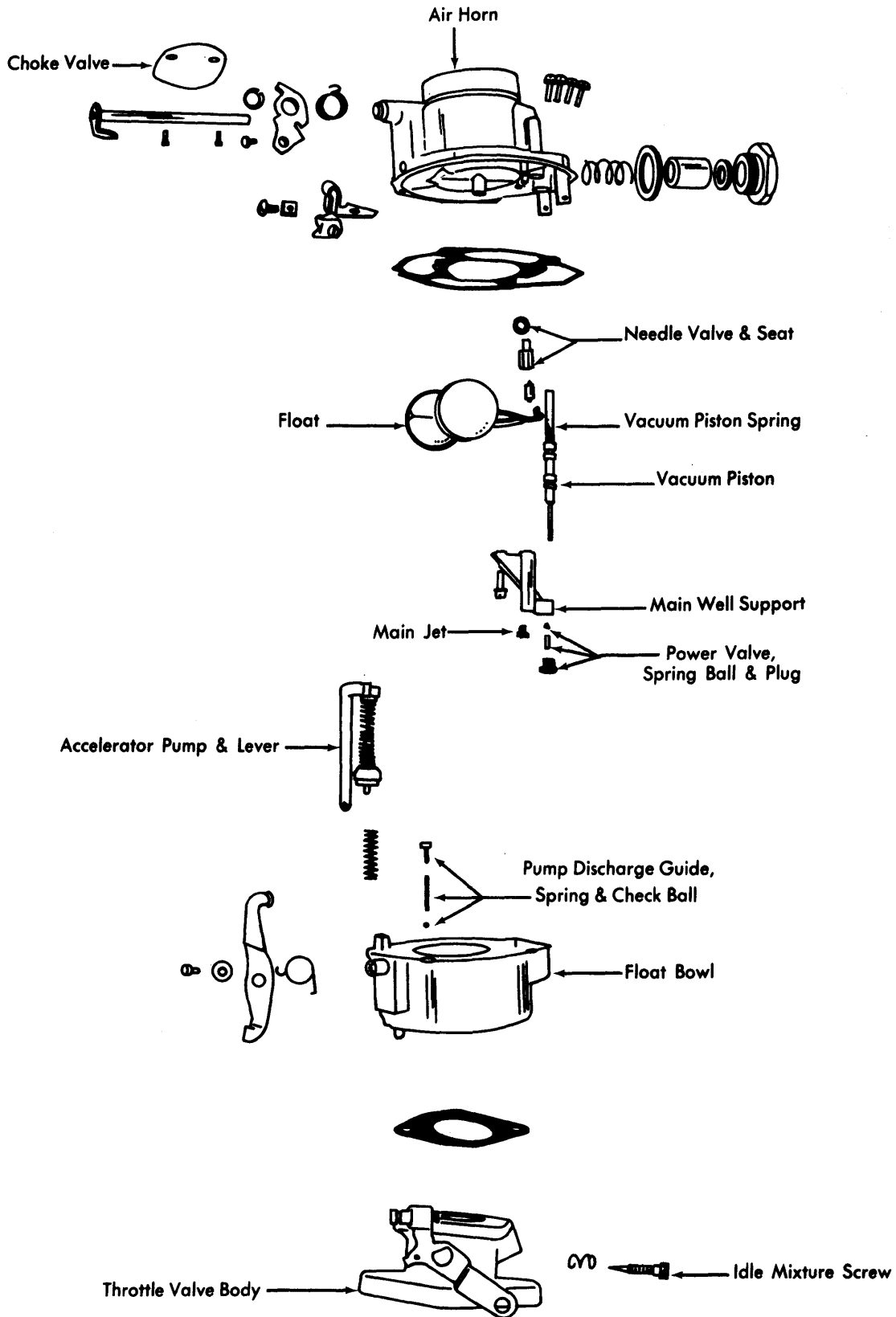
#### REASSEMBLY

To assemble carburetor, use all new gaskets and reverse disassembly procedure.

# Rochester Carburetors

## ROCHESTER MODEL B SINGLE BARREL (Cont.)

7GM03



**ROCHESTER MODEL B CARBURETOR**

## ROCHESTER MODEL B SINGLE BARREL (Cont.)

CARBURETOR ADJUSTMENT SPECIFICATIONS					
Rochester Carb. No.	Idle Speed (Engine RPM) ①		Float Level Setting	Float Drop Setting	Idle Vent Setting
	Man. Trans.	Auto. Trans.			
7023017	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.050"
7023021	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.050"
7023011	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.050"
7024009	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.050"
7026019	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.055"
7026017	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.055"
7026011	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.055"
7024009	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.055"
7036009	450-500	450-500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.055"
7026017	500	500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.066"
7027011	500	500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.066"
7027029	500	500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.066"
7027009	500	500	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.066"
7037009	700	600	1 $\frac{1}{32}$ "	1 $\frac{3}{4}$ "	.066"

① — Manual transmission in Neutral and automatic transmission in "D".