

# Rochester Carburetors

## ROCHESTER MODELS 4MC & 4MV 4-BARREL

### MODEL 4MV

#### CHEVROLET & GMC

| Application                                     | Rochester No. |
|---|---------------|
| 1968  |               |
| 327" V8 .....                                   | 7028213       |
| 396" V8 (Chevrolet).....                        | 7028211       |
| 396" V8 (GMC).....                              | 7028217       |
| 1969  |               |
| 350" V8 .....                                   | 7029223       |
| 396" V8 (GMC).....                              | 7029214       |
| 1970  |               |
| 350" V8 10 & 1500 Series .....                  | 7040511       |
| 350" V8 20, 2500, 30 & 3500 Series .....        | 7040208       |
| 400" V8 10 & 1500 Series .....                  | 7040509       |
| 400" V8 20, 2500, 30 & 3500 Series .....        | 7040206       |
| 1971  |               |
| 350" V8 10 & 1500 Series .....                  | 7041211       |
| 350" V8 20, 2500, 30 & 3500 Series .....        | 7041208       |
| 402" V8 10 & 1500 Series .....                  | 7041209       |
| 402" V8 20, 2500, 30 & 3500 Series .....        | 7041206       |
| 1972  |               |
| 350" V8 10 & 1500 Series (Federal)              |               |
| Man. Trans. ....                                | 7042211       |
| Auto. Trans. ....                               | 7042210       |
| 350" V8 10 & 1500 Series (California)           |               |
| Man. Trans. ....                                | 7042911       |
| Auto. Trans. ....                               | 7042910       |
| 350" V8 20, 2500, 30 & 3500 Series .....        | 7042208       |
| 402" V8 10, 1500, 20 & 2500 Series (Fed.)       |               |
| Man. Trans. ....                                | 7042219       |
| Auto. Trans. ....                               | 7042218       |
| 402" V8 20, 2500, 30 & 3500                     |               |
| Over 6,000 GVW Series (Fed.)                    |               |
| Man. Trans. ....                                | 7042207       |
| Auto. Trans. ....                               | 7042208       |
| 1973  |               |
| 350" V8 G-10, 1500, 20 & 2500                   |               |
| Man. Trans. ....                                | 7043211       |
| Auto. Trans. ....                               | 7043210       |
| 350" V8 C & K-10 & 1500                         |               |
| Man. Trans. ....                                | 7043203       |
| Auto. Trans. ....                               | 7043202       |
| 350" V8 G-30 & Motor Home Chassis .....         | 7043215       |
| 350" V8 C & K-20, 2500, 30 & 3500.....          | 7043208       |
| 454" V8 10 & 1500 Series                        |               |
| Man. Trans. ....                                | 7043201       |
| Auto. Trans. ....                               | 7043200       |
| 454" V8 Motor Home Chassis.....                 | 7043216       |
| 454" V8 20, 2500, 30 & 3500 Series (Fed.) ..... | 7043207       |
| 454" V8 20, 2500, 30 & 3500 Series (Cal.) ..... | 7043507       |
| 1974 (Federal)                                  |               |
| 350" V8 10 & 1500 Series (Except G & P)         |               |
| Man. Trans. ....                                | 7044203       |
| Auto. Trans. ....                               | 7044202       |
| 350" V8 G-10, 1500, 20 & 2500                   |               |
| (Except Sportvan)                               |               |
| Man. Trans. ....                                | 7044219       |
| Auto. Trans. ....                               | 7044218       |
| 350" V8 G-10, 1500, 20 & 2500 (Sportvan)        |               |
| Man. Trans. ....                                | 7044219       |
| Auto. Trans. ....                               | 7044224       |
| 350" V8 P-10 & 1500 Series                      |               |
| Man. Trans. ....                                | 7044503       |
| Auto. Trans. ....                               | 7044502       |

|   |         |
|---|---------|
| 350" V8 C & K-20, 2500, 30 & 3500.....          | 7044213 |
| 350" V8 P-20, 2500, 30, 3500.....               | 7044216 |
| 350" V8 G-30 & 3500.....                        | 7044214 |
| 350" V8 Motor Home Chassis.....                 | 7044215 |
| 454" V8 C-10 & 1500.....                        | 7044223 |
| 454" V8 P-20 & 2500.....                        | 7044220 |
| 454" V8 C & K-20, 2500, 30 & 3500.....          | 7044212 |
| 454" V8 P-30 & 3500.....                        | 7044217 |
| 454" V8 Motor Home Chassis.....                 | 7044212 |
| 1974 (California)                               |         |
| 350" V8 10 & 1500 Series (Except G & P)         |         |
| Man. Trans. ....                                | 7044503 |
| Auto. Trans. ....                               | 7044502 |
| 350" V8 G-10, 1500, 20 & 2500 (Except Sportvan) |         |
| Man. Trans. ....                                | 7044519 |
| Auto. Trans. ....                               | 7044518 |
| 350" V8 G-10, 1500, 20 & 2500 (Sportvan)        |         |
| Man. Trans. ....                                | 7044503 |
| Auto. Trans. ....                               | 7044502 |
| 350" V8 P-10 & 1500 Series                      |         |
| Man. Trans. ....                                | 7044519 |
| Auto. Trans. ....                               | 7044518 |
| 350" V8 C & K-20, 2500, 30 & 3500.....          | 7044513 |
| 350" V8 P-20, 2500, 30 & 3500.....              | 7044516 |
| 350" V8 G-30 & 3500.....                        | 7044514 |
| 350" V8 Motor Home Chassis.....                 | 7044515 |
| 454" V8 C-10 & 1500                             |         |
| Man. Trans. ....                                | 7044512 |
| Auto. Trans. ....                               | 7044500 |
| 454" V8 P-20 & 2500.....                        | 7044520 |
| 454" V8 C & K-20, 2500, 30 & 3500.....          | 7044516 |
| 454" V8 P-30 & 3500.....                        | 7044517 |
| 454" V8 Motor Home Chassis.....                 | 7044512 |

### MODEL 4MC

#### GMC

| Application                         | Rochester No. |
|-------------------------------------|---------------|
| 1973 & 1974 455" V8 Motor Home..... | 7043254       |

### CARBURETOR IDENTIFICATION

Carburetor part number is stamped on a vertical section of float bowl, near secondary throttle lever. When replacing float bowl assembly, follow manufacturers instructions, contained in service package, so that part number is transferred to new float bowl.

### CARBURETOR DESCRIPTION

The 4 MC and 4 MV carburetors are 4-barrel downdraft types, having one very basic difference that will give an easy identification. The 4MC models are equipped with an integral automatic choke, whereas the 4 MV model utilizes a remote thermostatic coil, mounted on the exhaust manifold, which operates the conventional choke valve in carburetor air horn.

### ADJUSTMENT

#### HOT (SLOW) IDLE RPM

See appropriate article in TUNE-UP Section.

#### COLD (FAST) IDLE RPM

See appropriate article in TUNE-UP Section.

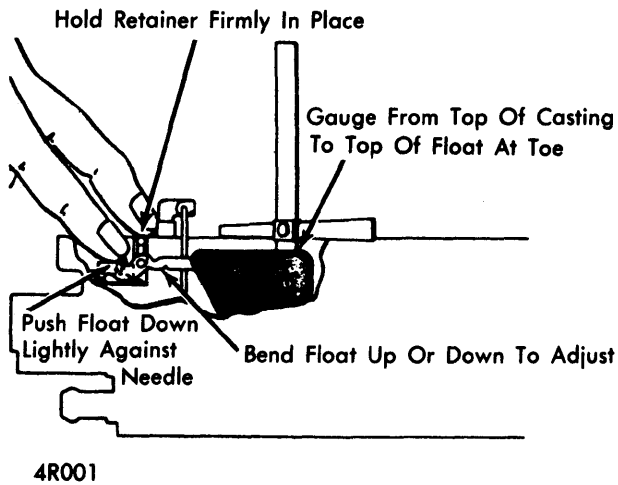
#### ACCELERATOR LINKAGE

See appropriate article in TUNE-UP Section.

## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)

### FLOAT LEVEL

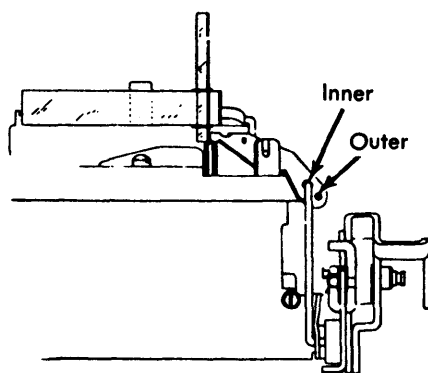
Hold retaining pin firmly in place with tang of float lightly seated on float needle. With adjustable T-scale, measure from top of float bowl gasket surface (gasket removed) to top of float at toe. Locate gauge point  $\frac{1}{16}$ " from radius on toe. Bend float up or down to obtain specified clearance.



4R001  
FLOAT LEVEL ADJUSTMENT

### ACCELERATOR PUMP ROD

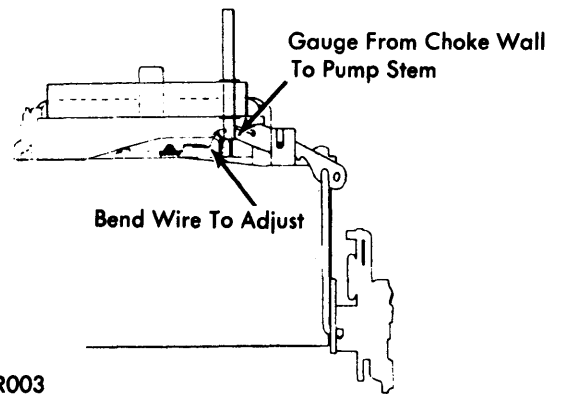
Accelerator Pump Rod adjustment is correct when pump rod is inserted in specified hole in accelerator pump lever.



4R002  
PUMP ROD LOCATION

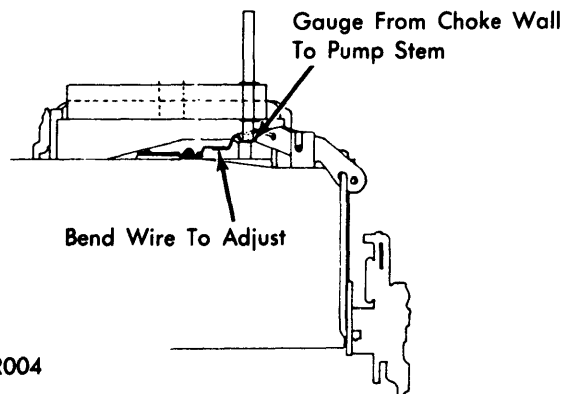
### IDLE VENT

1968 All Models - With primary throttle open to point where idle vent just closes, measure distance from top of choke valve wall next to vent stack to top of pump stem. Adjust to clearance of  $\frac{3}{8}$ " by bending wire tang on pump lever.



4R003  
IDLE VENT ADJUSTMENT (1968)

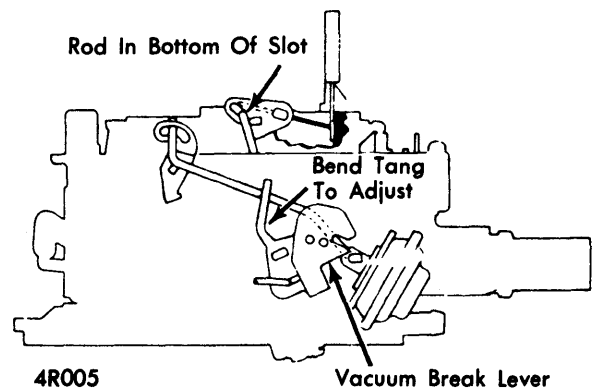
1969 All Models - Hold vent valve closed and open primary throttle to point where idle vent valve arm just contacts bi-metal strip at valve. Measure distance from top of choke valve wall next to vent stack to top of pump stem. Adjust to clearance of  $\frac{3}{8}$ " by bending wire tang on pump lever.



4R004  
IDLE VENT ADJUSTMENT (1969)

### VACUUM BREAK

1968-70 All Models, 1971 402" Models - With vacuum break diaphragm fully seated, push up lightly on vacuum break lever until tang on lever just contacts vacuum break rod. With choke valve rod in bottom of slot, measure distance between air horn and lower edge of choke valve. Bend tang on vacuum break lever to adjust to specifications.

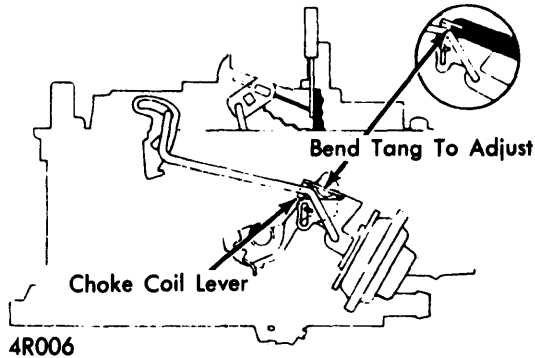


4R005  
1968-70 All & 1971 402" VACUUM BREAK ADJUSTMENT

# Rochester Carburetors

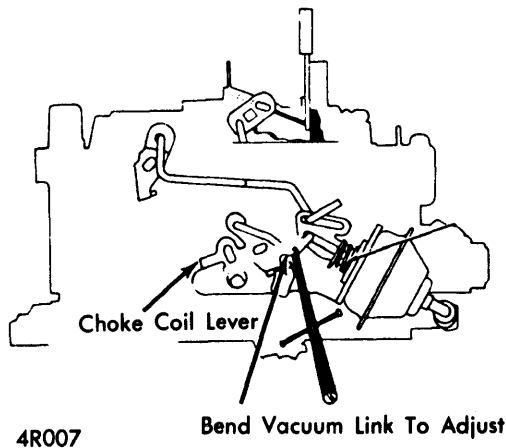
## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)

**1971 350" Models** - With vacuum break diaphragm fully seated and fast idle cam follower clear of steps on fast idle cam, rotate choke coil lever counterclockwise until top edge of cam just touches tang on end of diaphragm plunger. Measure distance between air horn and lower edge of choke valve. Bend tang on diaphragm plunger to adjust.



### 1971 350" VACUUM BREAK ADJUSTMENT

**1972-74 All Models** - With vacuum break diaphragm fully seated and fast idle cam follower clear of steps on fast idle cam, rotate choke coil lever counterclockwise until end of rod is in end of slot in vacuum break lever. Measure distance between air horn and lower edge of choke valve. Bend vacuum link to adjust to specifications.



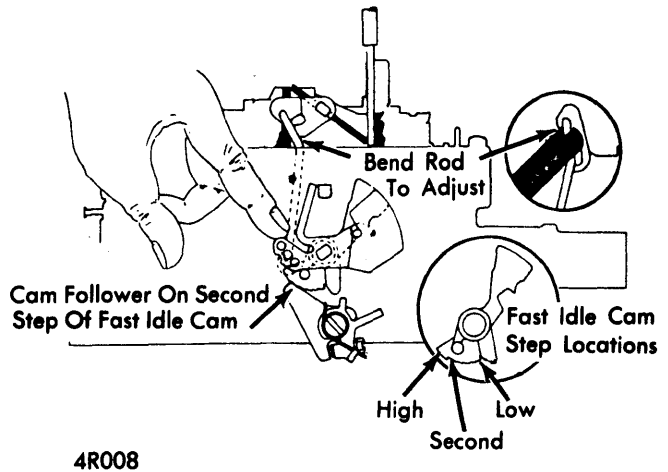
### 1972-74 VACUUM BREAK ADJUSTMENT

### CHOKE ROD (FAST IDLE CAM)

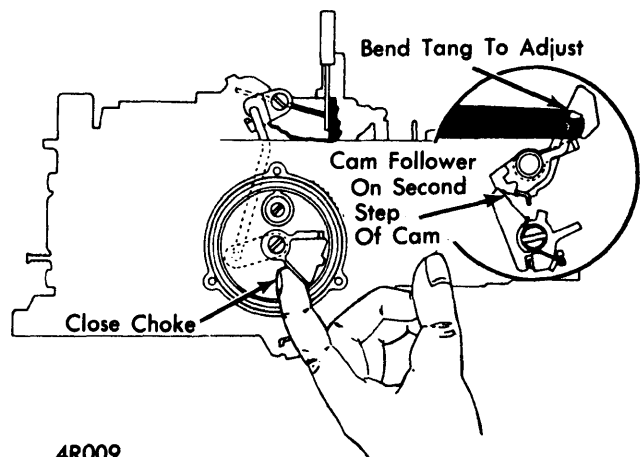
**All Models 4 MV Carburetors** - Place fast idle cam follower on second step of fast idle cam and hold it against

high step of cam by pressing lightly upward on vacuum break lever. With choke rod in bottom of slot in choke lever, measure clearance between lower edge of choke valve at choke lever end and air horn wall. If clearance is not as specified, adjust by bending choke rod at existing bend near upper end of rod.

**All Models 4 MC Carburetors** - Place fast idle cam follower on second step of fast idle cam, move choke valve toward closed position by pressing on choke coil lever within automatic choke housing (remove choke cover and coil assembly for access) so that cam follower is held firmly against shoulder of high step of cam. With choke valve in this position, measure clearance between lower edge of choke valve at choke lever end and air horn wall. If clearance not correct, adjust by bending tang at side of fast idle cam.



### 4MV CHOKE ROD ADJUSTMENT

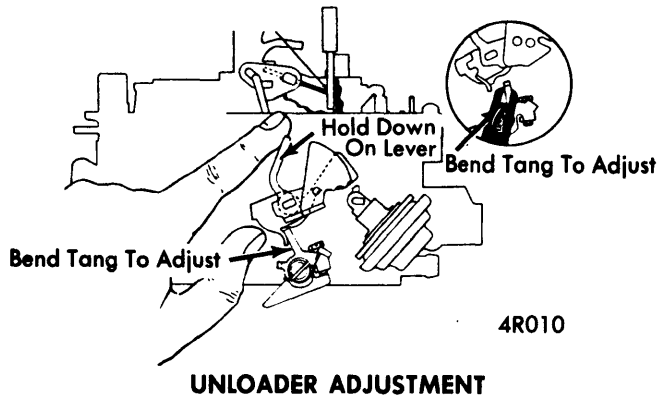


### 4MC CHOKE ROD ADJUSTMENT

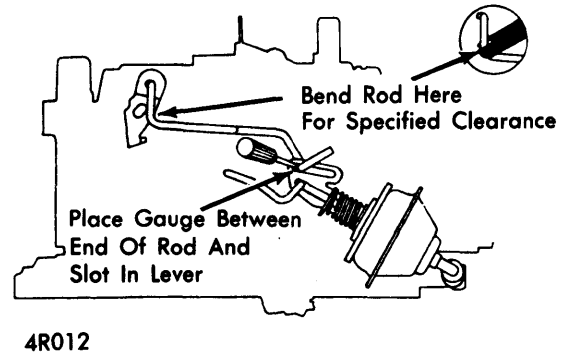
## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)

### UNLOADER

Rotate vacuum break lever counterclockwise towards closed choke position, then open primary throttle to wide open position. With throttle valves held wide open, distance between the lower edge of choke valve and air horn wall should be as specified. To adjust, bend tang on fast idle lever.



**1972-74 All Models** — With vacuum break diaphragm fully seated, measure clearance between dashpot rod and end of slot in vacuum break lever. To adjust, bend rod at air valve end.



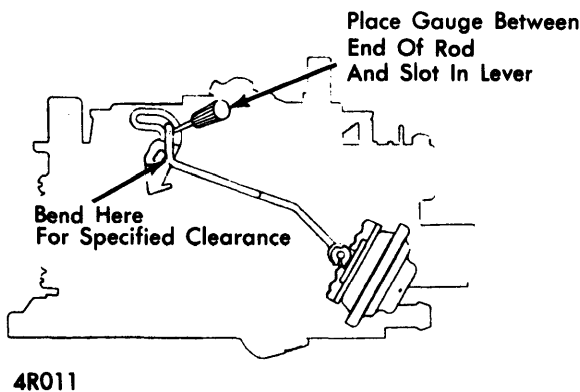
### SECONDARY THROTTLE LOCKOUT

**Opening Clearance** — Hold choke valve wide open by rotating vacuum break lever toward open choke (clockwise). With secondary throttle valves held partially open, measure clearance between end of lockout pin and toe of lockout lever, distance should be .015". Bend lockout lever to adjust.

**Secondary Lockout Pin Side Clearance** — With choke valve and secondary throttle valve fully closed, bend lockout pin to obtain side clearance of .015" between side of lockout pin and lockout lever.

### AIR VALVE DASHPOT

**1968-71 All Models** — With vacuum break diaphragm fully seated, measure clearance between dashpot rod and end of slot in air valve lever. To adjust, bend rod at air valve end.



### OVERHAUL

#### DISASSEMBLY

**Air Horn** — 1) Remove idle vent valve assembly. Disconnect choke rod from upper choke shaft lever and pump rod from pump lever. Remove vacuum break rod.

2) Remove air horn-to-bowl attaching screws next to primary venturi. Remove air horn by lifting straight up. Air horn gasket should remain on bowl. **CAUTION** — Be careful not to bend the two small main well air bleed tubes pressed into the air horn. **DO NOT** attempt to remove these tubes.

3) Hold air valve wide open, then tilt and slide secondary metering rods from hanger. **NOTE** — Further disassembly of air horn is not required for cleaning only. For parts replacement, take out choke valve screws, remove choke valve and slide choke shaft out. Remove pump lever roll pin and remove pump lever. **CAUTION** — Air valves and shaft are calibrated and must not be removed. If damaged, replace air horn assembly.

**Float Bowl** — 1) Remove pump plunger. Remove air horn gasket from dowels on secondary side, then remove gasket from around power piston and primary metering rods. Remove pump return spring, plastic filler over float valve, and power piston and main metering rods (use needle-nose pliers and pull straight up on metering rod hanger directly over power piston).

## ROCHESTER MODELS 4MC &amp; 4MV 4-BARREL (Cont.)

2) Remove power piston spring, disconnect tension spring from top of each metering rod, and remove rods from hanger. Remove float assembly by sliding assembly toward front of bowl to disengage needle pull clip. Be careful not to distort pull clip. Remove float needle retainer and needle assembly.

3) Remove primary metering jets. **CAUTION** — Do not remove secondary metering discs. Remove pump discharge check ball retainer and check ball, and remove baffle from secondary side of bowl. On 4MV carburetors, remove vacuum hose from tube connection on bowl and from vacuum break assembly. Remove choke assembly from float bowl (**NOTE** — If further disassembly of choke is necessary, remove vacuum brake link. Spread retaining ears on bracket next to vacuum break assembly and remove assembly from the lever).

4) Remove fast idle cam from choke assembly. Remove lower choke rod and actuating lever from inside the float bowl well. Remove hot idle compensator and "O" ring from float bowl.

5) Remove fuel filter and spring. Remove throttle body-to-bowl screws and remove throttle body and insulator gasket.

**Automatic Choke Disassembly (4MC Carb.)** — 1) Pull cover and coil assembly straight out and off choke housing. Do not attempt to remove baffle plate beneath thermostatic coil. Remove retaining screw and washer inside choke housing, slide complete choke assembly off float bowl.

2) Remove coil lever retaining screw from end of shaft inside choke housing, remove lever from intermediate choke shaft flats, then remove intermediate choke shaft by sliding it out of housing, remove fast idle cam from shaft.

3) Remove cup seal from inside choke housing shaft hole in housing before immersing housing in carburetor cleaner, remove cup seal from float bowl plastic insert before cleaning bowl. **CAUTION** — Do not remove plastic insert.

**Throttle Body** — Remove pump rod from throttle lever. Remove idle limiter caps, idle mixture screws and springs. **CAUTION** — Handle throttle body carefully so as not to damage secondary throttle valves. Further disassembly for cleaning purposes is not necessary.

**CLEANING AND INSPECTION**

1) No rubber parts, plastic parts, diaphragms or pump plungers should be immersed in carburetor cleaner. However, the plastic cam on the air valve shaft may be cleaned normally in carburetor cleaner.

2) If air valve or cam are damaged, or air valve is binding, air horn assembly must be replaced. After cleaning parts in a suitable carburetor cleaner, rinse all parts as directed by carburetor cleaner manufacturer. Dry all parts and blow out all passages with compressed air.

3) When cleaning or overhauling a carburetor, identify the carburetor by the code stamped adjacent to the fuel inlet and order a complete Repair Kit for the carburetor being worked on. Check all valves and shafts for binding or damage.

**REASSEMBLY**

Reverse disassembly procedure using new parts and gaskets contained in the Repair Kit. When reassembling float bowl, be sure to adjust float level and make all other adjustments. See *Adjustment in this article*.

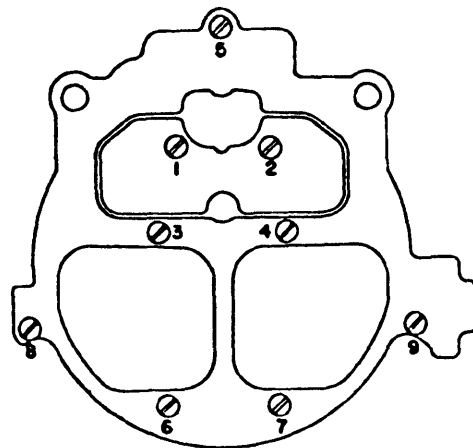
**Automatic Choke Reassembly (4MC Carb.)** — 1) Install cup seal in plastic insert on side of float bowl (lip facing outward). Install fast idle cam on intermediate choke shaft with steps on cam facing downward. Install new cup seal inside choke housing (lips facing inward toward inside of housing), then install fast idle cam and intermediate shaft through seal in choke housing.

2) Install thermostatic coil lever on intermediate choke shaft flats so that both inside and outside levers face toward fuel inlet, then tighten retaining screw. Install lower choke rod lever in float bowl cavity. Install vacuum seal in choke housing cavity.

3) Install housing on bowl and slide intermediate shaft into lower choke lever. If choke housing correctly installed, tang on lever should be beneath fast idle cam. Do not install choke cover and coil assembly until choke coil lever adjustment is completed. See *Adjustment in this article*.

**Vacuum Break Installation** — If vacuum break diaphragm was removed from bracket, slide vacuum break diaphragm between retaining ears and bend ears down slightly to hold assembly securely. Install fast idle cam on vacuum break assembly.

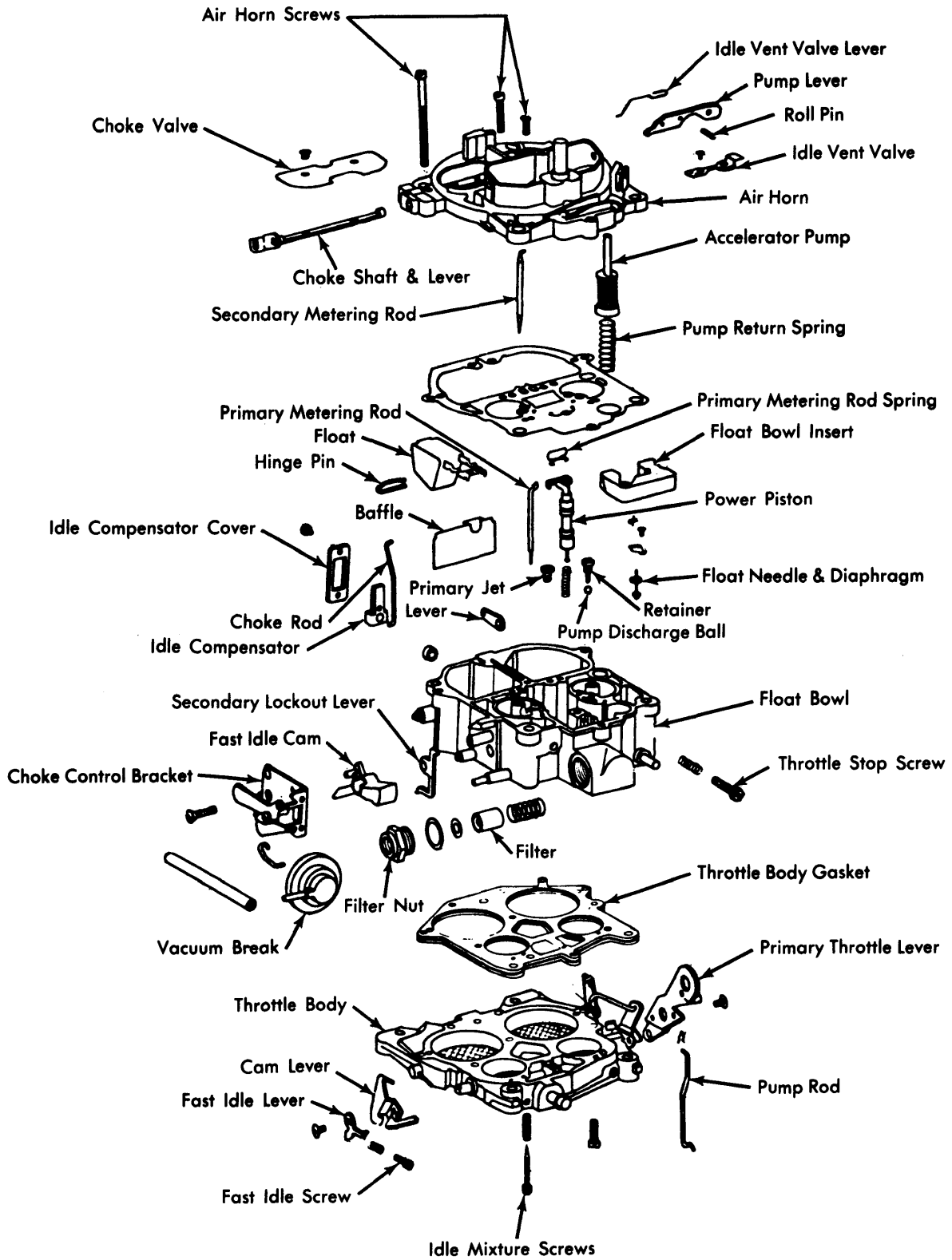
**Air Horn Installation** — To prevent distortion of air horn and binding of choke valve or air valve, tighten all air horn screws in correct sequence as shown in the accompanying illustration.



4R013

**AIR HORN SCREW TIGHTENING SEQUENCE**

## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)



4R014

ROCHESTER 4 MV CARBURETOR ASSEMBLY (TYPICAL)

# Rochester Carburetors

## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)

| CARBURETOR ADJUSTMENT SPECIFICATIONS |                         |        |               |                   |           |                   |                          |               |                  |               |
|--------------------------------------|-------------------------|--------|---------------|-------------------|-----------|-------------------|--------------------------|---------------|------------------|---------------|
| Rochester Carb. No.                  | Idle Speed (Engine RPM) |        | Float Setting | Pump Rod Location | Choke Rod | Air Valve Dashpot | Fast Idle ③ (Off Engine) | Break Setting | Unloader Setting | Choke Setting |
|                                      | Hot ①                   | Fast ② |               |                   |           |                   |                          |               |                  |               |
| 7028211                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .015"             | 2                        | .245"         | .300"            | ⊙             |
| 7028213                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .015"             | 2                        | .245"         | .300"            | ⊙             |
| 7028217                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .015"             | 2                        | .245"         | .300"            | ⊙             |
| 7029214                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .015"             | 2                        | .245"         | .300"            | ⊙             |
| 7040206                              | .....                   | .....  | 1 1/32"       | INNER             | .100"     | .020"             | 2                        | .245"         | .450"            | ⊙             |
| 7040208                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .020"             | 2                        | .245"         | .450"            | ⊙             |
| 7040509                              | .....                   | .....  | 1 1/32"       | INNER             | .100"     | .020"             | 2                        | .245"         | .450"            | ⊙             |
| 7040511                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .020"             | 2                        | .245"         | .450"            | ⊙             |
| 7041206                              | .....                   | .....  | 1 1/32"       | INNER             | .100"     | .020"             | 2                        | .265"         | .450"            | ⊙             |
| 7041208                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .020"             | 2                        | .260"         | .300"            | ⊙             |
| 7041209                              | .....                   | .....  | 1 1/32"       | INNER             | .100"     | .020"             | 2                        | .265"         | .450"            | ⊙             |
| 7041211                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .020"             | 2                        | .260"         | .300"            | ⊙             |
| 7042207                              | .....                   | .....  | 5/16"         | INNER             | .100"     | .020"             | 2                        | .250"         | .450"            | ⊙             |
| 7042208                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .020"             | 2                        | .260"         | .450"            | ⊙             |
| 7042210                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .020"             | 2                        | .215"         | .450"            | ⊙             |
| 7042211                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .020"             | 2                        | .215"         | .450"            | ⊙             |
| 7042218                              | .....                   | .....  | 1/4"          | INNER             | .100"     | .020"             | 2                        | .250"         | .450"            | ⊙             |
| 7042219                              | .....                   | .....  | 5/16"         | INNER             | .100"     | .020"             | 2                        | .260"         | .450"            | ⊙             |
| 7042910                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .020"             | 2                        | .215"         | .450"            | ⊙             |
| 7042911                              | .....                   | .....  | 3/16"         | INNER             | .100"     | .020"             | 2                        | .215"         | .450"            | ⊙             |
| 7043200                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043201                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043202                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043203                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043207                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043208                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .....             | 2                        | .215"         | .450"            | ⊙             |
| 7043210                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .215"         | .450"            | ⊙             |
| 7043211                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .215"         | .450"            | ⊙             |
| 7043215                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .....             | 2                        | .215"         | .450"            | ⊙             |
| 7043216                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .250"         | .450"            | ⊙             |
| 7043254                              | .....                   | .....  | 1/4"          | INNER             | .230"     | .....             | 2                        | .215"         | .300"            | INDEX         |
| 7043507                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .....             | 2                        | .275"         | .450"            | ⊙             |
| 7044202                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044203                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044212                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044213                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044214                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044215                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044216                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044217                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044218                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044219                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044220                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .250"         | .450"            | ⊙             |
| 7044223                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .220"         | .450"            | ⊙             |
| 7044224                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044500                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .250"         | .450"            | ⊙             |
| 7044502                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044503                              | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044512                              | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ⊙             |
| 7044513                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044514                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |
| 7044515                              | .....                   | .....  | 1 1/32"       | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ⊙             |

# Rochester Carburetors

## ROCHESTER MODELS 4MC & 4MV 4-BARREL (Cont.)

| CARBURETOR ADJUSTMENT SPECIFICATIONS (Cont.) |                         |        |               |                   |           |                   |                          |               |                  |               |
|--|-------------------------|--------|---------------|-------------------|-----------|-------------------|--------------------------|---------------|------------------|---------------|
| Rochester Carb. No.                          | Idle Speed (Engine RPM) |        | Float Setting | Pump Rod Location | Choke Rod | Air Valve Dashpot | Fast Idle ③ (Off Engine) | Break Setting | Unloader Setting | Choke Setting |
|  | Hot ①                   | Fast ② |               |                   |           |                   |                          |               |                  |               |
| 7044516                                      | .....                   | .....  | 1/32"         | INNER             | .430"     | .015"             | 2                        | .215"         | .450"            | ③             |
| 7044517                                      | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ③             |
| 7044518                                      | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ③             |
| 7044519                                      | .....                   | .....  | 1/4"          | INNER             | .430"     | .015"             | 2                        | .230"         | .450"            | ③             |
| 7044520                                      | .....                   | .....  | 3/8"          | INNER             | .430"     | .015"             | 2                        | .250"         | .450"            | ③             |

- ① — See Hot (Slow) Idle in TUNE-UP Section.
- ② — See Cold (Fast) Idle in TUNE-UP Section.
- ③ — Number of turns for initial bench adjustment.
- ④ — Top of rod even with bottom of hole.
- ⑤ — Rod in gauge notch.