

NUMBER: 83-10

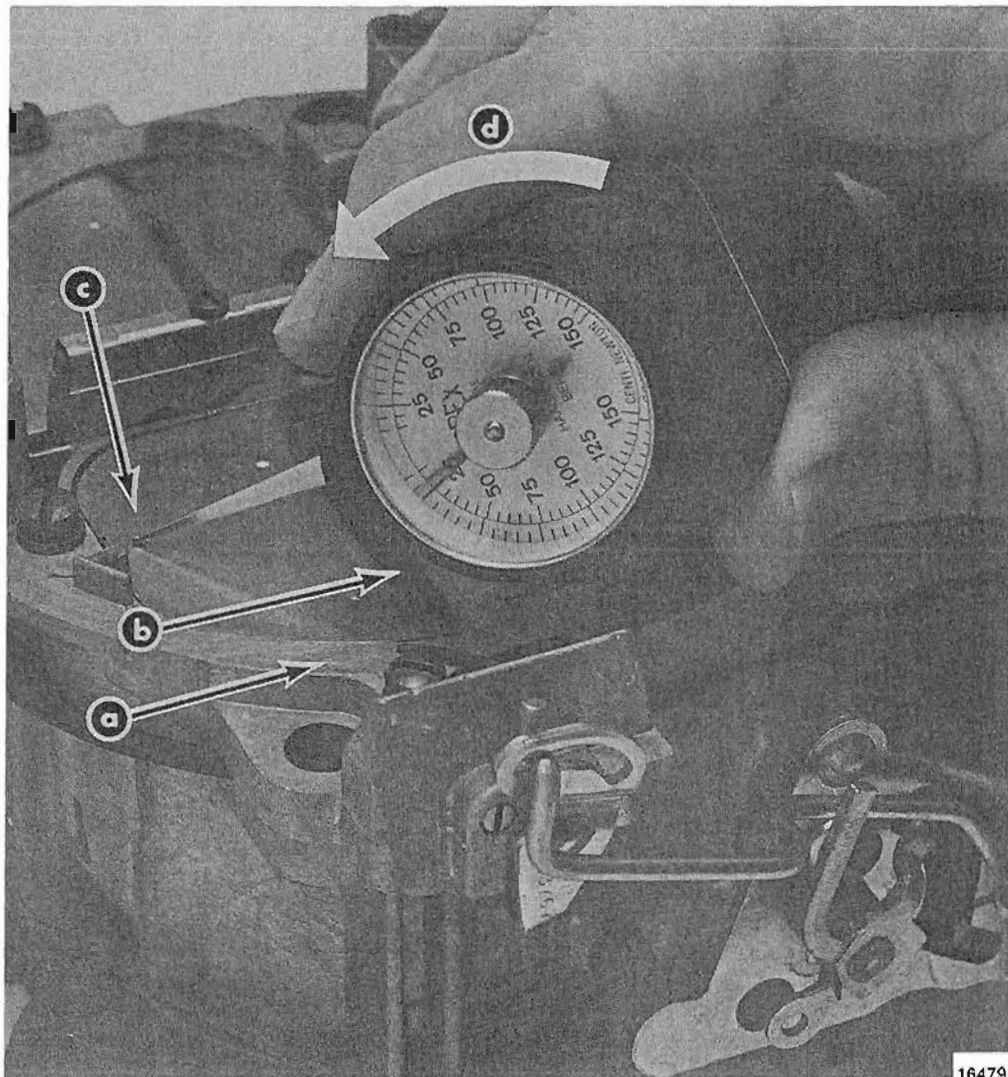
- A. Setting Air Valve - Rochester 4BBL Carburetors
- B. Air Valve Spring Gram Settings - Rochester 4BBL Carburetors

CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS
"Place in a Service
Bulletin Binder"

A. SETTING AIR VALVE - ROCHESTER 4BBL CARBURETORS

Air valve spring wind up can be set by turning the adjusting screw the required amount - A more accurate method is to use a gram scale and set the wind up at the specified grams.

The body of the scale rests on the carburetor casting. The arm is positioned in the center, aft area of the air valve. Pressure is applied to the arm by rotating the body of the gram scale. Air valve should just start to open at specified grams.



- a - Carburetor Casting
- b - Body of Gram Scale
- c - Contact Area of Arm on Air Valve
- d - Rotate

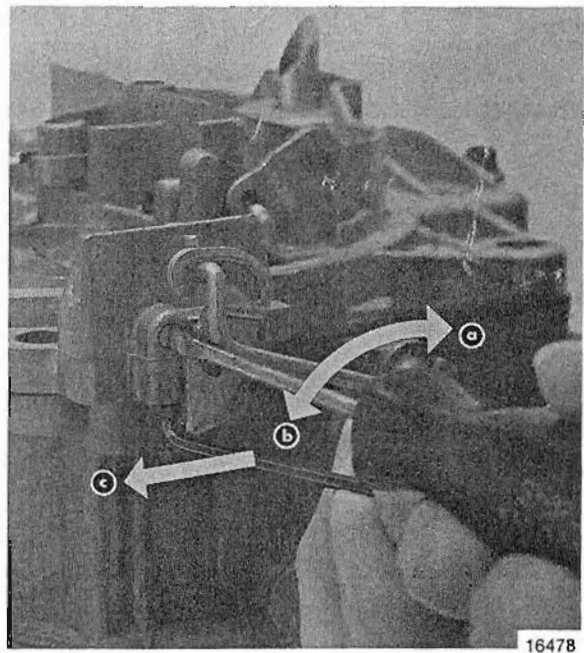
Figure 1. Using Gram Scale

(OVER)

To adjust the air valve spring wind up, insert 3/32" allen wrench in locking allen screw and use a straight screwdriver on the adjusting screw. Hold tension on spring with screwdriver BEFORE loosening allen screw. Adjust as shown in Figure 2.

Gram Scale shown can be purchased from:

Model G.D. 150 (with round tip)
Wagner Instruments
P.O. Box 1217
Greenwich, CT 06836
(203) 869-9681



- a - Increase Spring Tension
- b - Decrease Spring Tension
- c - Loosen Locking Allen Screw

Figure 2. Adjusting Air Valve Spring Wind Up

B. AIR VALVE SPRING GRAM SETTINGS - ROCHESTER 4BBL CARBURETORS

The following chart has the gram settings of Air Valve Spring. Add this information to Service Bulletin 81-17. The gram specifications for the MCM 185 and 488 are in their respective tune-up Service Bulletins.

Engine Model (NOTE 1)	MCM 228	MIE 228	MIE 230	MIE 255	MCM 260	MIE 260
Make & Model	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV	Rochester 4MV
Carb. Number	17059292/ 1347-7361	17059291/ 1347-7364	17080564/ 1347-8290	17059289/ 1347-7365	17059288/ 1347-7362	17080562/ 1347-8289
Manufacturer/ Mercury Marine	17080565/ 1347-8296	17080564/ 1347-8290		17080562/ 1347-8289	17080561/ 1347-8292	
Air Valve Spring Wind Up (grams)	70 - 90 g	75 - 85 g	60 - 75 g	75 - 85 g	70 - 90 g	70 - 90 g

Engine Model (NOTE 1)	MCM 330	MIE 330	MIE 340
Make & Model	Rochester 4MV	Rochester 4MV	Rochester 4MV
Carb. Number	17059290/ 1347-7363	17059287/ 1347-7366	17080560/ 1347-8288
Manufacturer/ Mercury Marine	17080563/ 1347-8291	17080560/ 1347-8288	
Air Valve Spring Wind Up (grams)	80 - 95 g	80 - 95 g	80 - 95 g

NOTES:

1) "MCM" Denotes Stern Drive Model; "MIE" Denotes Inboard Model