



Rochester Carburetors

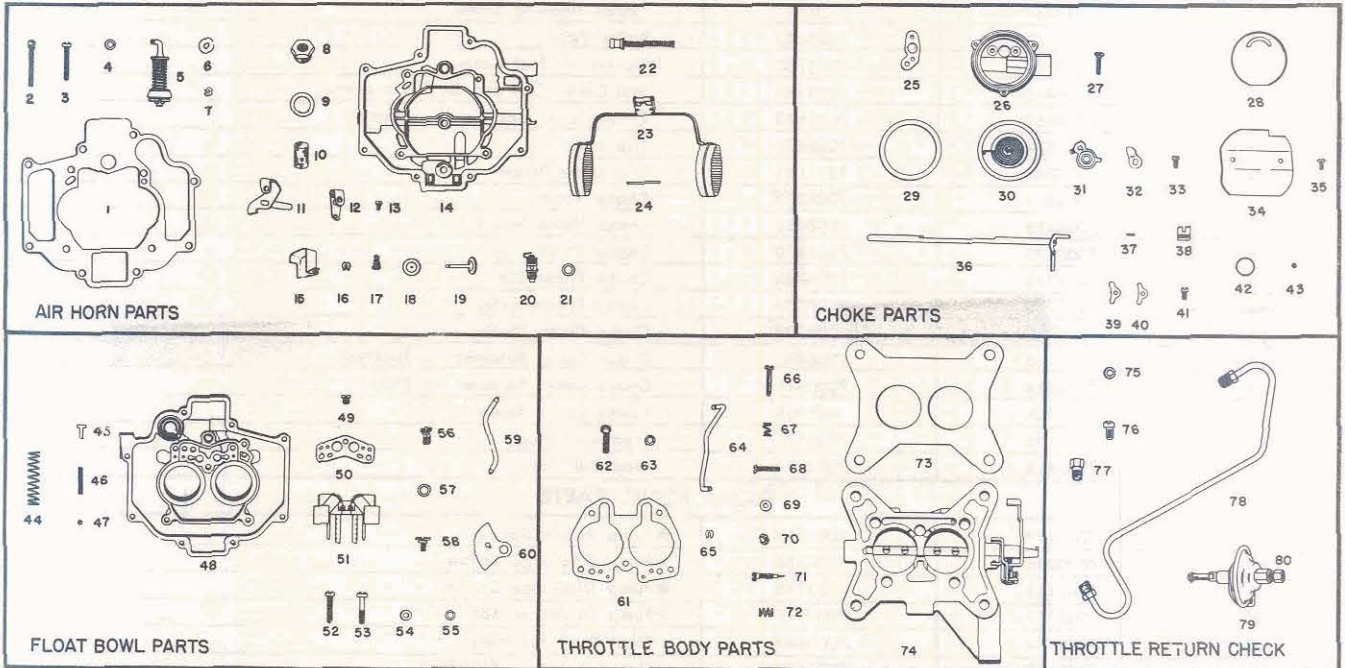
MODEL 2GC 1956 OLDSMOBILE "88"

BULLETIN 9C-507

PAGE 1 OF 4

DATE: 4-15-57

REPLACES:
9C-507, 4/2/56



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	1956		YEAR
	HYD. & SYN.	JETAWAY	APPLICATION
	7007223	7008800	CARBURETOR No.
	7009300	7009300	SERVICE PACKAGE No.
	7009936	7009936	REPAIR KIT
	7009942	7009942	GASKET KIT

Illus. No.	AIR HORN PARTS		
	1956 Hyd. & Syn.	1956 Jetaway	Description
1	7008909	7008909	★Gasket — Air Horn
2	7008498	7008498	Air Horn Screw, Long
3	7006119	7006119	Air Horn Screw, Short
4	120217	120217	Air Horn Screw, Lockwasher
5	7009860	7009860	★Pump Assembly
6	7009249	7009249	Pump Plunger Spacer Washer
7	7005032	7005032	★Pump Plunger Clip
8	7002862	7002862	Strainer Nut
9	7001597	7001597	★Strainer Nut Gasket
10	7003083	7003083	★Fuel Strainer
11	7008877	7008877	Pump Shaft and Lever Assembly
12	7008638	7008638	Pump Lever — Inside
13	131958	131958	Pump Lever Screw
14	7009446	7009446	Air Horn Assembly
15	7009504	7009504	Cover — Idle Vent Valve
16	7005109	7005109	★Retainer Clip — Vent Valve
17	7008607	7008607	Idle Vent Valve Spring
18	7008861	7008861	Idle Vent Valve Guide
19	7008608	7008608	Idle Vent Valve
20	7006998	7006998	★Needle and Seat Assembly
21	7001613	7001613	★Needle Seat Gasket
22	7000204	7000204	Power Piston
23	7008879	7008879	Float Assembly
24	7001595	7001595	Float Hinge Pin

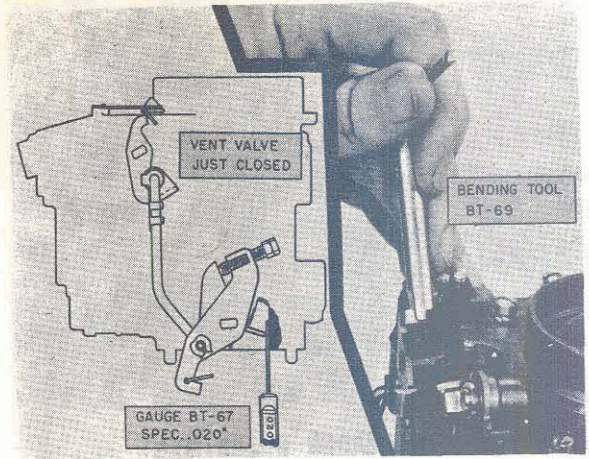
Illus. No.	1956		YEAR
	HYD. & SYN.	JETAWAY	APPLICATION
	7007223	7008800	CARBURETOR No.
CHOKE HOUSING PARTS			
25	7007502	7007502	★Choke Housing Gasket
26	7009760	7009760	Choke Housing and Piston Assy.
27	7004821	7004821	Choke Housing Screw
28	7006643	7006643	Baffle Plate
29	7002760	7002760	★Gasket — Stat Cover
30	7009445	7009445	Stat Cover, Coil and Gasket Assembly
31	7008863	7008863	Choke Lever and Collar Assembly
32	7008876	7008876	Trip Lever
33	1875051	1875051	Trip Lever Screw
34	7008874	7008874	Choke Valve
35	7008488	7008488	Choke Valve Screw
36	7008870	7008870	Choke Shaft Assy.
37	7004748	7004748	Choke Piston Pin
38	7009759	7009759	Choke Piston (Late)
38	7009708	7009708	Choke Piston (Early)
39	7006846	7006846	Choke Cover Retainer — Toothed
40	7000614	7000614	Choke Cover Retainer — Plain
41	131958	131958	Choke Cover Screw
42	7003135	7003135	Expansion Plug
43	7002814	7002814	Lead Ball Plug
FLOAT BOWL PARTS			
44	7004597	7004597	★Pump Return Spring
45	7000286	7000286	★Pump Discharge Guide
46	7002118	7002118	★Pump Discharge Spring
47	7002117	7002117	★Pump Discharge Ball
48	7009444	7009444	Float Bowl Assembly
49	7002662	7002662	Metering Jet — Standard
50	7008893	7008893	★Venturi Cluster Gasket
51	7009772	7009772	Venturi Cluster
52	7008502	7008502	Venturi Cluster Screw — Outer
53	7009077	7009077	Venturi Cluster Screw — Center
54	7008892	7008892	★Gasket — Cluster Center Screw
55	120217	120217	Lockwasher — Cluster Outer Screw
56	7009349	7009349	★Power Valve Assembly
57	7001613	7001613	★Power Valve Gasket
58	7003561	7003561	Cam Attaching Screw
59	7008857	7008857	Choke Rod
60	7008858	7008858	Fast Idle Cam
THROTTLE BODY PARTS			
61	7008904	7008904	★Throttle Body Gasket
62	7005188	7005188	Throttle Body Screw
63	121744	121744	Lockwasher — Throttle Body Screw
64	7008905	7008905	Pump Rod
65	7005032	7005032	★Pump Rod Clip
66	7001664	7001664	Fast Idle Screw
67	7003176	7003176	Fast Idle Screw Spring
68	7007237	7007237	Slow Idle Screw
69	7009727	7009727	Washer — Slow Idle Screw
70	7010819	7010819	Nut — Slow Idle Screw
71	7004402	7004402	★Idle Needle
72	7003190	7003190	Idle Needle Spring
73	568039	568039	★Flange Gasket
74	7009443	7009443	Throttle Body Assembly
THROTTLE RETURN CHECK			
75		120380	Lockwasher
76		7008480	Screw — Return Check Attaching
77		148072	Tube Connector
78		7008995	Tube and Nuts Assembly
79		7008981	Throttle Return Check Assembly
80		7008987	Check Valve

4. IDLE VENT ADJUSTMENT

(Gauge BT-67, Bending Tool BT-69)

Back off the fast idle screw until it clears the highest step of the cam. With Gauge BT-67, Specification .020", between the throttle valve and bore opposite the idle adjusting needle, the idle vent should be just closed.

With Bending Tool BT-69, bend the pump lever tang to obtain the proper idle vent setting.

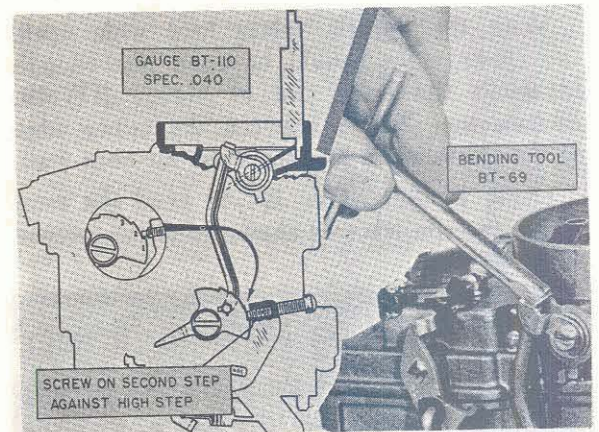


5. CHOKE ROD ADJUSTMENT

(Gauge BT-110, Bending Tool BT-69)

Turn the idle screw in until it just contacts the second step of the fast idle cam. With the screw on the second step and against the shoulder of the high step, the small end of Gauge BT-110, Specification .040", should just fit into place between the upper edge of the choke valve and the wall of the air horn.

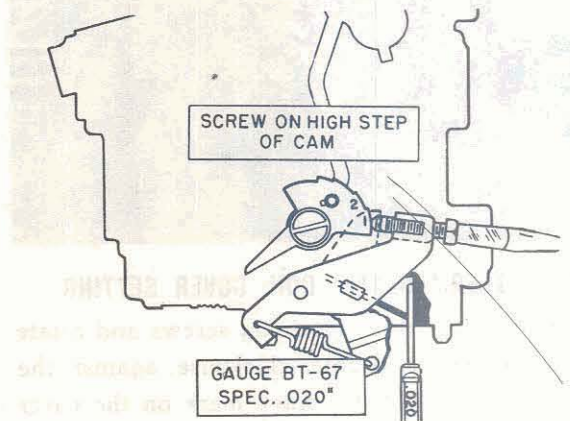
Using Bending Tool BT-69, bend the counterweight tang as shown to obtain the correct choke rod setting.



6. FAST IDLE ADJUSTMENT

(Gauge BT-67)

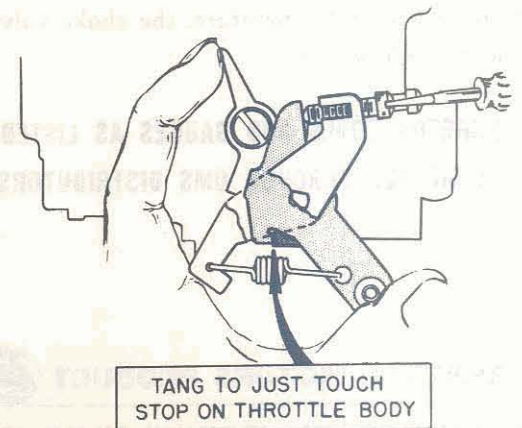
Back off the fast idle screw and place Gauge BT-67, Specification .020", between the throttle valve and bore opposite the idle adjusting needles, holding the gauge in place with tension on the throttle lever. Then with the choke closed, turn the fast idle screw in against the highest step of the fast idle cam until the gauge drops out. Note: it is preferred that the fast idle adjustment be made on the car with the engine running, to the car manufacturer's specification.

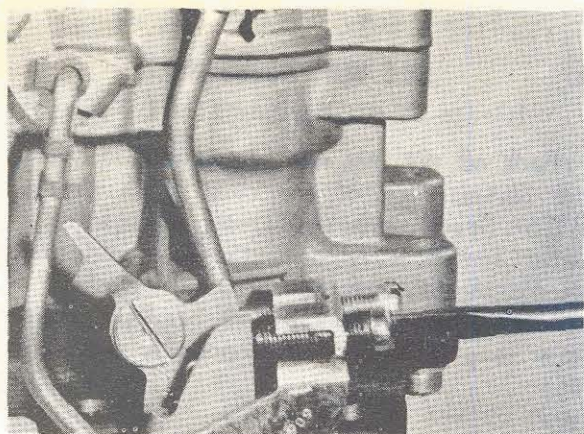
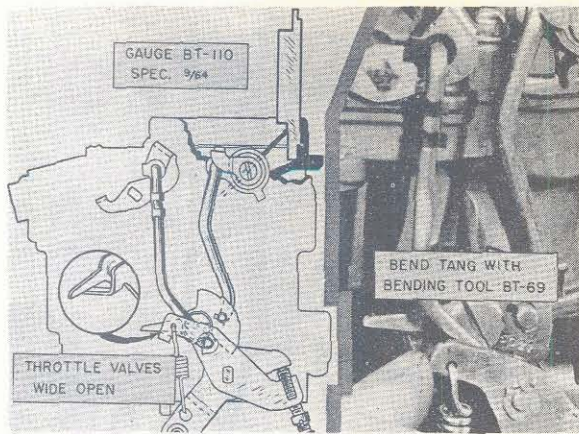


7. THROTTLE LEVER INDEX

(necessary for proper unloader adjustment)

Index the throttle levers as follows: With the throttle valves closed, set the idle stop screw so that the tang on the throttle rod attaching lever just touches the stop on the throttle body (rotate the fast idle cam clockwise as far as possible to clear the fast idle screw and prevent a false index). From this index, turn the idle stop screw clockwise one full turn.





8. UNLOADER ADJUSTMENT

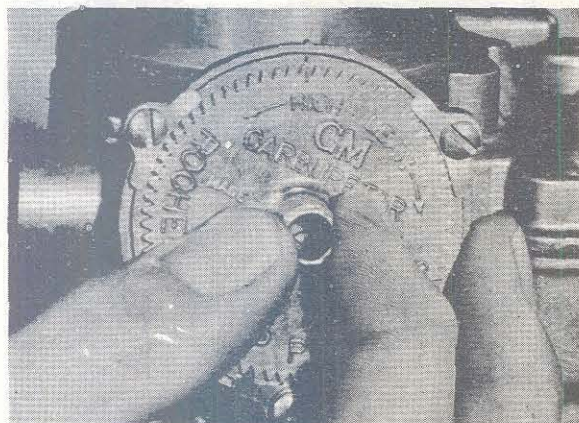
(Gauge BT-110, Bending Tool BT-69)

With the throttle valves held wide open, the choke valve should be open just enough to admit the large end of Gauge BT-110, Specification 9/64", between the upper edge of the choke valve and the inner air horn wall.

Using Bending Tool BT-69 bend the tang of the throttle lever as shown to obtain proper clearance.

10. THROTTLE STOP ADJUSTMENT

For Synchromesh transmission, use the idle stop screw setting obtained in setting the unloader. For Hydramatic transmissions, turn the stop screw 1/2 turn further clockwise. For a new or tight engine, add about 1/4 turn to either setting. These are preliminary settings only; final adjustment should be made with the engine running, to the car manufacturer's specification.



9. THERMOSTATIC COIL COVER SETTING

Loosen the three retaining screws and rotate the coil cover counter-clockwise against the coil tension until the index mark on the cover is in line with the specified mark on the choke housing. At room temperature, the choke valve should be lightly closed.

QUICK - REFERENCE SPECIFICATIONS

DIMENSIONS	
SMALL VENTURI	1/8"
LARGE VENTURI	1 3/16"
MAIN METERING JETS	.053", 60°
IDLE NEEDLE HOLES	.046"
SECOND IDLE HOLES	.029"
THIRD IDLE HOLES	.027"
FOURTH IDLE HOLES	.028"
SPARK DRILLINGS	.040"
PUMP DISCHARGE HOLES	.026"
POWER RESTRICTION	.043"
CHOKE RESTRICTIONS	
CROSS CHANNEL	.089"
BYPASS	.050"

TUNE-UP	
SPARK PLUG GAP	— .030"
BREAKER POINT GAP	— .016"
CAM DWELL ANGLE	— 26°-33°
IGNITION TIMING	— 5° BTDC @ 850 rpm, Vac. line disconnected
IDLE RPM	— 425 synchromesh 400 hydramatic, drive

ADJUSTMENTS	SETTING	TOOL NO.
FLOAT LEVEL	1 9/32"	BT-109
FLOAT DROP	1 29/32"	BT-109
PUMP ROD	15/16"	BT-109
CHOKE ROD	.040	BT-110
UNLOADER	9/64"	BT-110
FAST IDLE	.020	BT-67
IDLE VENT	.020	BT-67

CARBURETOR TOOLS AND GAUGES AS LISTED ARE AVAILABLE THROUGH UMS DISTRIBUTORS

A GENERAL MOTORS PRODUCT



A UNITED MOTORS-AC LINE

UNITED MOTORS SERVICE—AC DIVISION, GENERAL MOTORS PRODUCTS OF CANADA LIMITED, OSHTAWA, ONTARIO



Rochester Carburetors

MODEL 2GC CONCENTRIC

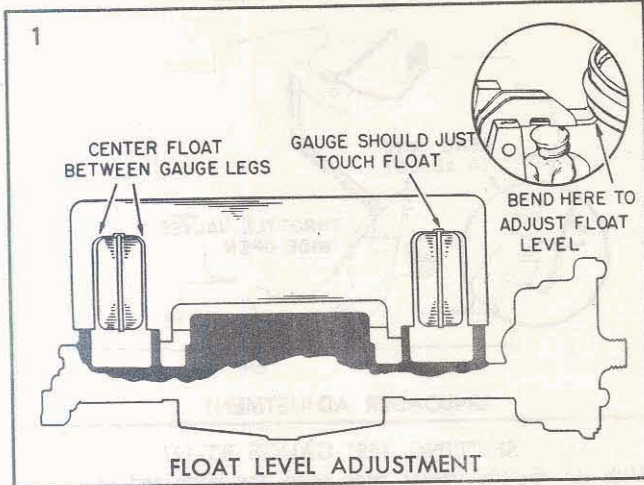
1956 OLDSMOBILE

ADJUSTMENTS AND SPECIFICATIONS

BULLETIN 9C-507

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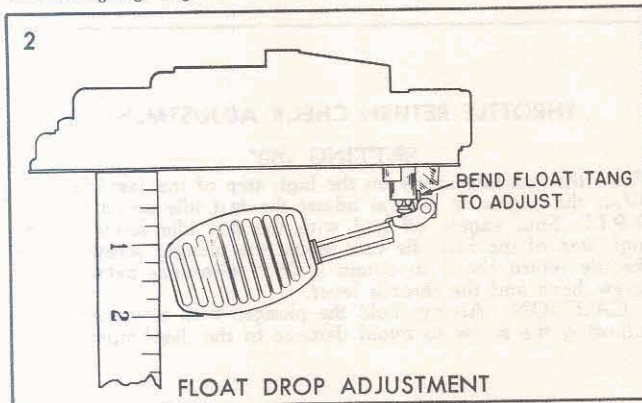
DATE: 4-15-57



1
FLOAT LEVEL ADJUSTMENT

SETTING 1-7/16" GAUGE BT-125

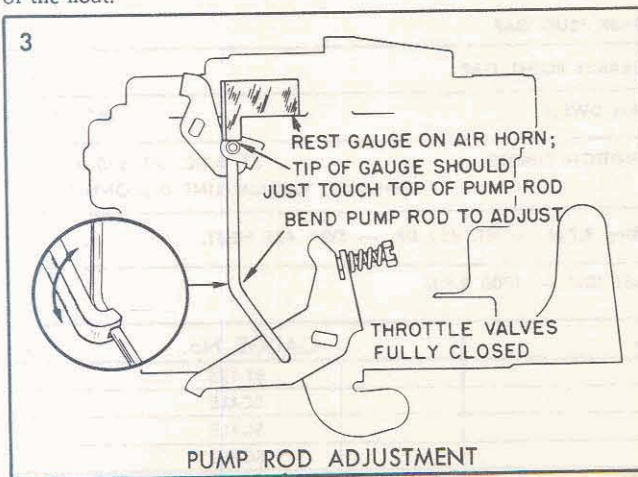
With the air horn inverted and the gasket in place, position the gauge over the floats as shown, so that it rests against the curvature of the air horn. Bend at the float arm until the floats just touch the gauge. Bend the arms sideways to center floats between gauge legs.



2
FLOAT DROP ADJUSTMENT

SETTING 2"

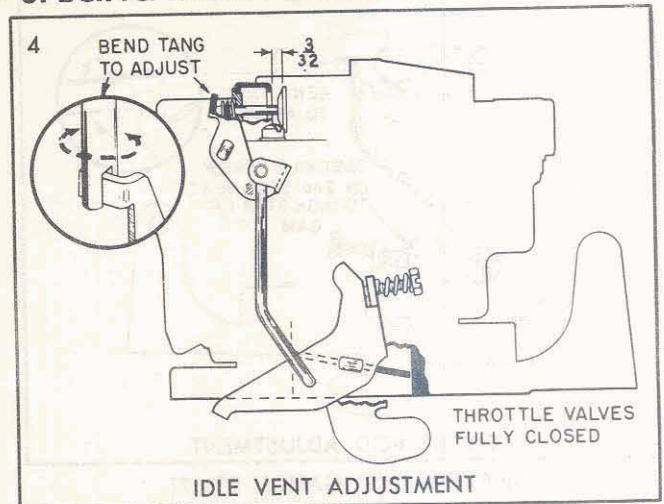
Bend the float tang toward the needle seat to lessen the drop and away from the seat to increase the drop. The correct drop is 2" measured from the air horn gasket to the bottom of the float.



3
PUMP ROD ADJUSTMENT

SETTING 5/16" SCALE

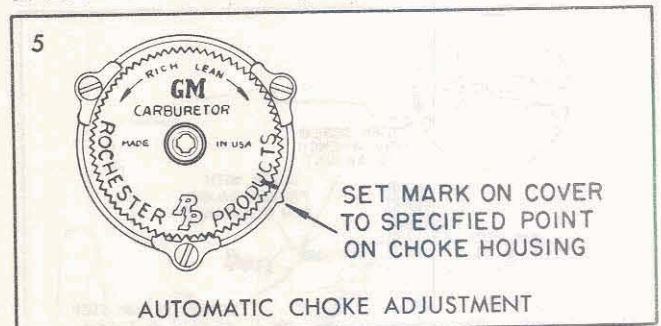
With the fast idle and idle stop screws backed out and the throttle valves completely closed, bend the pump rod as necessary with Tool BT-18 to obtain a dimension of 5/16" from the top of the air horn casting to the top of the pump rod.



4
IDLE VENT ADJUSTMENT

SETTING 3/32" TOOL BT-69

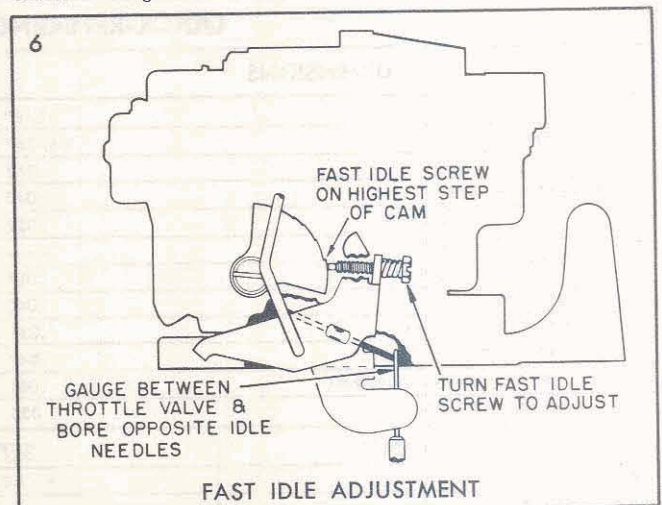
With the throttle valves completely closed, bend the tang with tool BT-69 to obtain a measurement of 3/32" from the seat in the air horn to the leading edge of the valve.



5
AUTOMATIC CHOKE ADJUSTMENT

SETTING - 1 NOTCH RICH

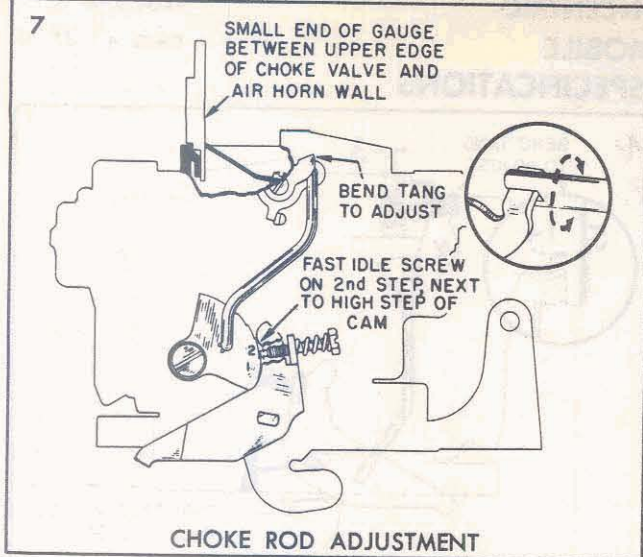
Loosen the three retaining screws and rotate the choke cover counter-clockwise against the coil tension until the index mark is in one notch rich position with the index point on the choke housing.



6
FAST IDLE ADJUSTMENT

SETTING .024" GAUGE BT-90

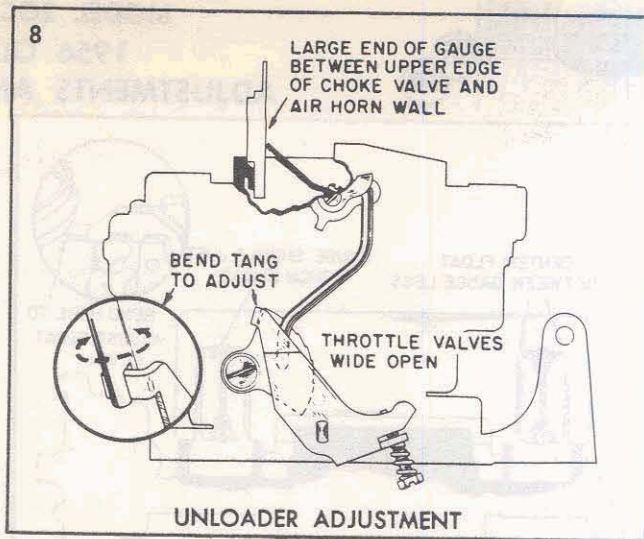
Turn the fast idle screw against the high step of the fast idle cam until the gauge will just fit between the throttle valve and bore, opposite the idle needles. This will provide a good initial start and will yield a fast idle speed close to specifications *however, the final setting should be made on the car with the engine running and the transmission in neutral, to a tachometer reading of 1700 R.P.M. on the high step of the cam.*



CHOKE ROD ADJUSTMENT

SETTING .073" GAUGE BT-127

With the fast idle screw resting on the second step of the fast idle cam and against the high step, bend the choke lever tang with Tool BT-69 as necessary to admit the small end of the gauge between the upper edge of the choke valve and the air horn wall.

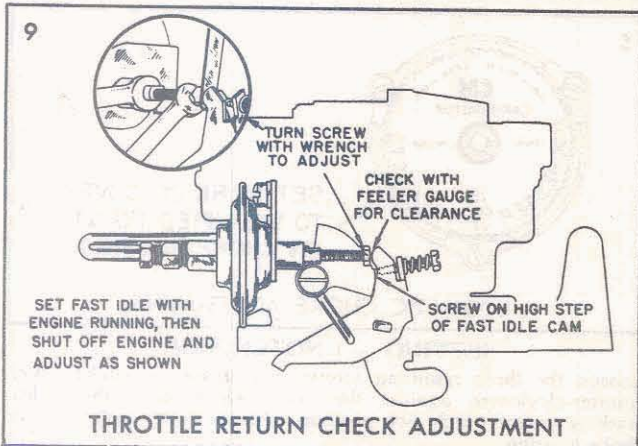


UNLOADER ADJUSTMENT

SETTING .155" GAUGE BT-127

With the throttle valves wide open, the large end of Gauge BT-127 should just fit between the upper edge of the choke and the air horn wall. To adjust, bend the throttle lever tang with Tool BT-69.

CAUTION: Make slow idle adjustment before checking unloader setting to properly index, split-throttle levers.



THROTTLE RETURN CHECK ADJUSTMENT

THROTTLE RETURN CHECK ADJUSTMENT

SETTING .050"

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1700 R.P.M. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

QUICK-REFERENCE SPECIFICATIONS

DIMENSIONS		TUNE-UP	
SMALL VENTURI	1/8"	SPARK PLUG GAP	.030
LARGE VENTURI	1-5/16"	BREAKER POINT GAP	.016
MAIN METERING JETS	.062	CAM DWELL	26°—33°
IDLE NEEDLE HOLES	.040	IGNITION TIMING	5° B.T.C. AT 850 R.P.M.
SEC. DISCHARGE HOLES	LOWER	WITH DIST. VACUUM LINE DISCONNECTED	
	MIDDLE	Idling R.P.M. — HT. 400 DR. — SYN. 425 NEUT.	
	UPPER	FAST IDLE — 1700 R.P.M.	
SPARK DRILLINGS	.040		
PUMP DISCHARGE HOLES	.031		
POWER RESTRICTIONS	.042		
CHOKE RESTRICTIONS—CHANNEL	.081		
IDLE TUBE RESTRICTIONS	.030		
ADJUSTMENTS		SETTING	GAUGE No.
FLOAT LEVEL		1-7/16"	BT-125
FLOAT DROP		2"	SCALE
PUMP ROD		5/16"	SCALE
IDLE VENT		3/32"	SCALE
AUTOMATIC CHOKE		1 NOTCH RICH	—
FAST IDLE		.024—1700 R.P.M.	BT-90
CHOKE ROD		.073	BT-127
UNLOADER		.155	BT-127
THROTTLE RETURN CHECK		.050	FEELER GAUGE



Rochester Carburetors

MODEL 4GC

1957 OLDSMOBILE

BULLETIN 9C-509

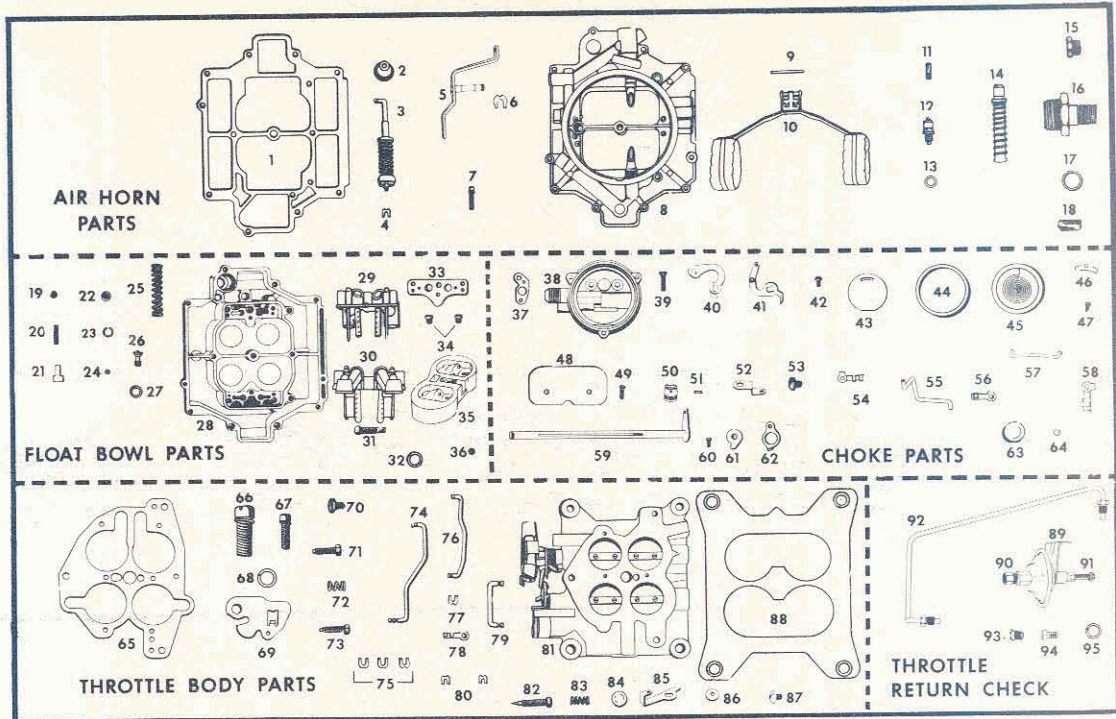
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DATE: AUGUST, 1958

REPLACES:

9C-509, 10/15/56

9C-509A, 7/1/57



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

1957		YEAR
HYDRAMATIC	SYNCHROMESH	APPLICATION
7009470	7009471	CARBURETOR No. - Early
7010925	7010926	CARBURETOR No. - Late
7015704	7015704	REPLACEMENT PACKAGE No.
7015724	7015724	REPAIR KIT
7015744	7015744	GASKET KIT
7015774	7015774	ALTITUDE KIT

Illus. No.	AIR HORN PARTS		
1	7006061	7006061	★Gasket—Air Horn
2	7006372	7006372	★Boot—Pump Plunger
3	7009279	7009279	★Pump Assembly
4	7005032	7005032	★Clip—Pump Plunger
5	7010879	7010879	Pump Shaft and Lever Assembly
6	7007616	7007616	★Clip—Pump Shaft
7	7000249	7000249	Screw—Air Horn
8	7010796	7010796	Air Horn Assembly
9	7001595	7001595	Pin—Float Hinge
10	7000199	7000199	Float Assembly
11	7006079	7006079	★Strainer—Needle Seat
12	7012144	7012144	★Needle and Seat Assembly
13	7001613	7001613	★Gasket—Needle Seat
14	7000204	7000204	Power Piston Assembly
15	7002862	7002862	Strainer Nut—Early
16	7010924	7010924	Strainer Nut—Late
17	7001597	7001597	★Gasket—Strainer Nut
18	7003083	7003083	★Strainer—Fuel Inlet

FLOAT BOWL PARTS			
19	7002117	7002117	★Ball—Pump Discharge
20	7006059	7006059	★Spring—Pump Discharge
21	7003838	7003838	★Guide—Pump Discharge
22	7001604	7001604	★Strainer—Pump Inlet
23	7001605	7001605	★Retainer—Inlet Strainer
24	7002120	7002120	★Ball—Pump Inlet Check
25	7004597	7004597	★Spring—Pump Return
26	7009349	7009349	★Power Valve Assembly
27	7001613	7001613	★Gasket—Power Valve
28	7010797	7010797	Float Bowl Assembly

Illus. No.	1957		YEAR
	HYDRAMATIC	SYNCHROMESH	APPLICATION
	7009470	7009471	CARBURETOR No. - Early
7010925	7010926	CARBURETOR No. - Late	

FLOAT BOWL PARTS (Continued)			
29	7010880	7010880	Venturi Cluster—Primary
30	7008955	7008955	Venturi Cluster—Secondary
31	7010421	7010421	Screw—Cluster Attaching
32	121841	121841	Lockwasher—Cluster Screw
33	7007803	7007803	★Gasket—Venturi Cluster
34	7001498	7001498	Jet—Primary—Standard
34	7008670	7008670	Jet—Secondary
35	7010922	7010922	Auxiliary Throttle Valve Assembly
36	7002814	7002814	Plug—Lead Ball

CHOKE PARTS

37	7007502	7007502	★Gasket—Choke Housing
38	7010200	7011211	Choke Housing Assembly
39	7004821	7004821	Screw—Choke Housing
40	7007503	7007503	Intermediate Choke Shaft Assembly
41	7009852	7009852	Choke Piston Lever and Link Assembly
42	1875051	1875051	Screw—Piston Lever
43	7010598	7010598	Baffle Plate
44	7002760	7002760	★Gasket—Stat Cover
45	7011236	7011236	Stat Cover, Coil and Gasket Assembly
46	7000614	7000614	Retainer—Stat Cover
47	7010424	7010424	Screw—Stat Cover
48	7000191	7000191	Choke Valve
49	7007627	7007627	Screw—Choke Valve
50	7010522	7010522	Choke Piston
51	7010746	7010746	Pin—Choke Piston
52	7010743	7010743	Lever—Choke Modifier
53	7010434	7010434	Screw—Modifier Lever
54	7003242	7003242	★Clip—Modifier—Rod—Upper
55	7010655	7010655	Rod—Choke Modifier
56	7003137	7003137	★Clip—Modifier Rod—Lower
57	7010204	7010204	Rod—Intermediate Choke
58	7005165	7005165	★Clip—Intermediate Rod
59	7007143	7007143	Choke Shaft Assembly
60	1875051	1875051	Screw—Trip Lever
61	7000196	7000196	Trip Lever
62	7008547	7008547	Choke Lever and Collar Assembly
63	7003135	7003135	Plug—Expansion
64	7002814	7002814	Plug—Lead Ball

THROTTLE BODY PARTS

65	7009256	7009256	★Gasket—Throttle Body
66	7004324	7004324	Screw—Throttle Body—Large
67	7005188	7005188	Screw—Throttle Body—Small
68	121744	121744	Lockwasher—Small Screws
69	7010636	7010636	Cam—Fast Idle
70	7003561	7003561	Screw—Cam Attaching
71	7003122	7003122	Fast Idle Screw
72	7003176	7003176	Spring—Fast Idle and Idle Stop Screw
73	7001619	7001619	Idle Stop Screw
74	7006835	7006835	Choke Rod
75	7005032	7005032	★Clip—Choke Rod
76	7000246	7000246	Pump Rod
77	7005032	7005032	★Clip—Pump Rod
78	7003137	7003137	★Spring Clip—Pump Rod
79	7000241	7000241	Link—Secondary Lever
80	7005032	7005032	★Clip—Secondary Lever Link
81	7010798	7010798	Throttle Body Assembly
82	7011079	7011079	★Idle Needle
83	7011479	7011479	Spring—Idle Needle
84	7006475	7006475	Expansion Plug
85	7010744	7010744	Lever—Choke Modifier Actuating
86	7010354	7010354	Washer—Modifier Actuating Lever
87	7010435	7010435	Screw—Modifier Actuating Lever
88	570815	570815	★Gasket—Flange

THROTTLE RETURN CHECK PARTS

89	7008980	—	Throttle Return Check Assembly
90	7008987	—	Check Valve Assembly
91	7008993	—	Contact Screw
92	7010203	—	Tube and Nuts Assembly
93	148072	—	Tube Connector
94	7008480	—	Screw—Return Check Attaching
95	120380	—	Lockwasher—Check Screw

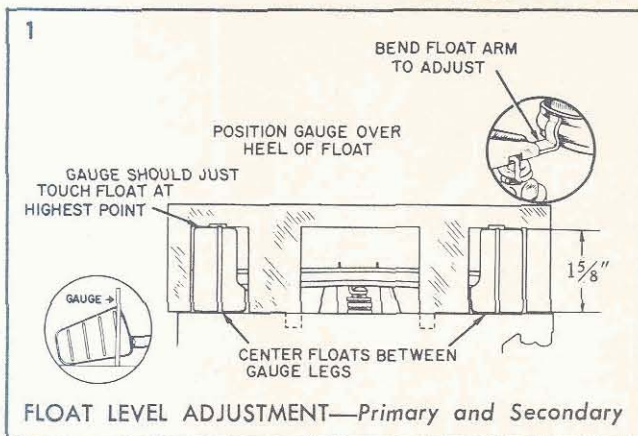


Rochester Carburetors

MODEL 4GC

1957 OLDSMOBILE

ADJUSTMENTS AND SPECIFICATIONS



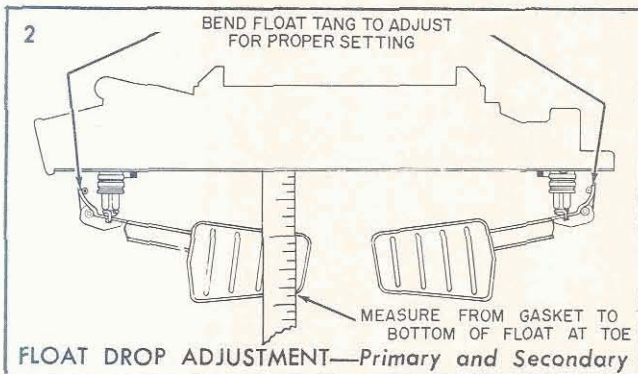
1
FLOAT LEVEL ADJUSTMENT—Primary and Secondary

SETTING $1\frac{5}{8}$ " , GAUGE BT-89

With the air horn inverted and gasket in place, position float gauge over the float heel (large end) as shown. Upper surface of pontoon should just touch gauge. Bend the float arm at rear at point shown to adjust.

With the float gauge still positioned over the heel of the floats as above and centered in the air horn, each float pontoon should be centered between gauge legs. Bend the float arms at points shown to align.

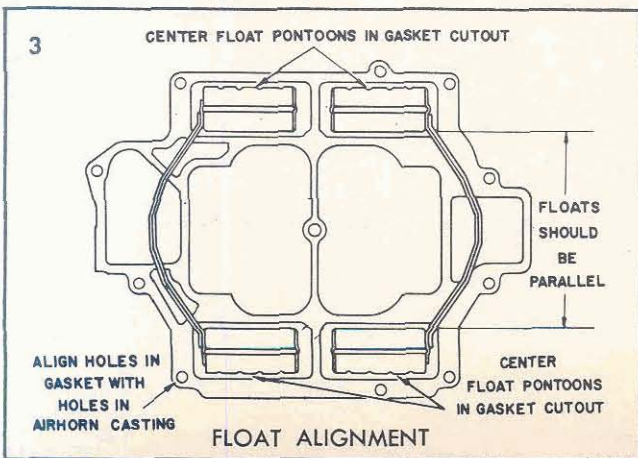
Move float assembly from side to side at hinge pin to make sure pontoons do not rub sides of gauge legs.



2
FLOAT DROP ADJUSTMENT—Primary and Secondary

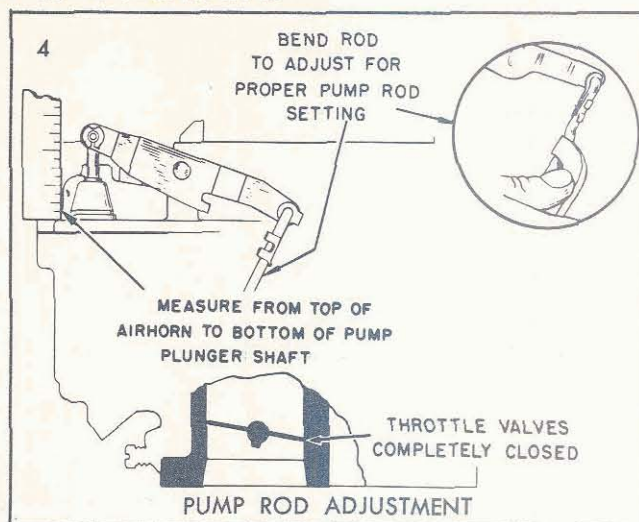
SETTING $2\frac{1}{4}$ " , USE SCALE

With the air horn held upright, measure the distance from the gasket to the bottom of the float; it should be $2\frac{1}{4}$ ". To obtain the correct setting bend the tang at the rear float hanger towards needle seat to lesson drop and away from seat to increase drop.



3
FLOAT ALIGNMENT

CO, WD, 131, 149, 9X, 9FR, 9FD

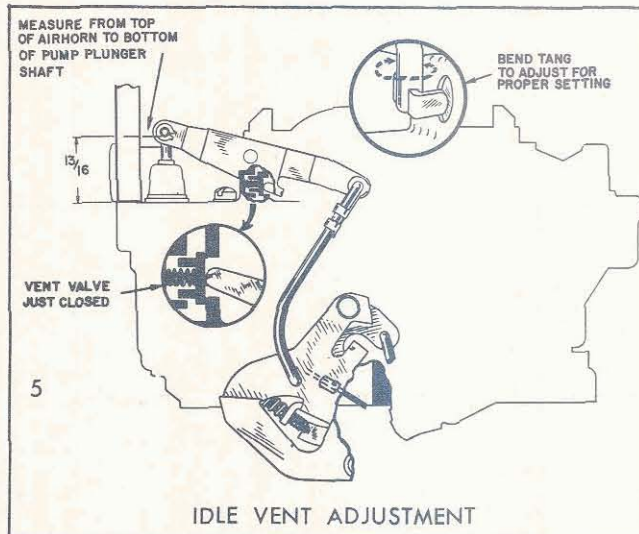


4
PUMP ROD ADJUSTMENT

SETTING $1\frac{3}{64}$ " , USE SCALE

Back out fast and slow idle screws until throttle valves are completely closed. Place scale on top of air horn next to pump plunger, as shown. With the throttle valves closed and lower edge of gauge resting on top of air horn, the distance from top of air horn to bottom of pump plunger shaft should be $1\frac{3}{64}$ ".

Bend the pump rod with Bending Tool BT-18 as shown to adjust.

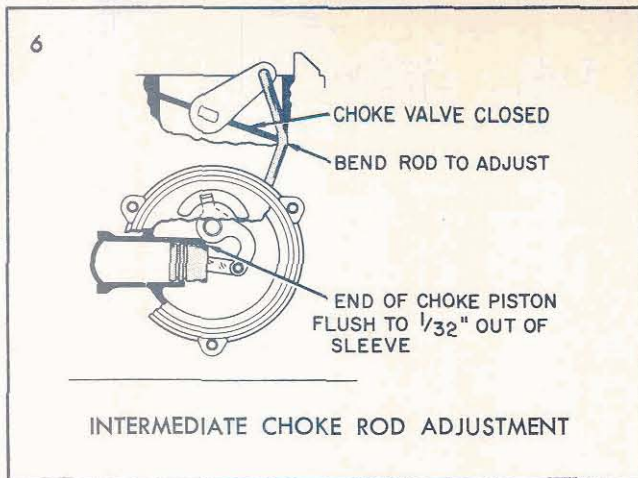


5
IDLE VENT ADJUSTMENT

SETTING $\frac{13}{16}$ " , USE SCALE

After making pump adjustment, adjust idle vent as follows: Open throttle valves enough to obtain a measurement of $\frac{13}{16}$ " from air horn to bottom of pump plunger shaft. At this point the idle vent should just close. To adjust, bend tang on pump lever as shown.

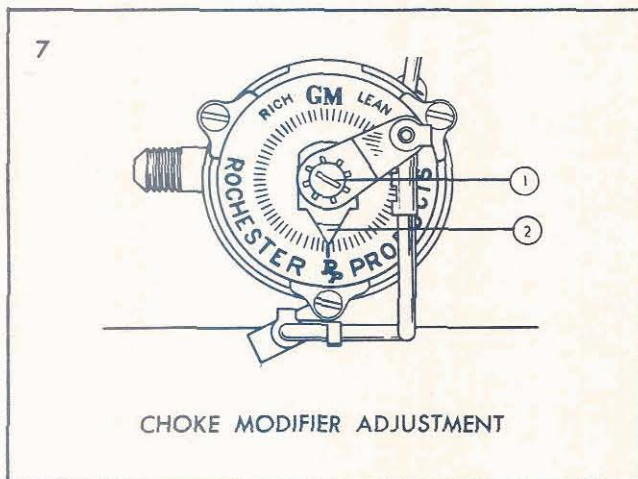
After centering floats recheck alignment by aligning screw holes in air horn gasket with screw holes in air horn. Then make sure float pontoons are centered in the cut-out sections of the gasket and the sides of the pontoons are parallel with the adjacent edges of the gasket.



INTERMEDIATE CHOKE ROD ADJUSTMENT

USE BENDING TOOL BT-18

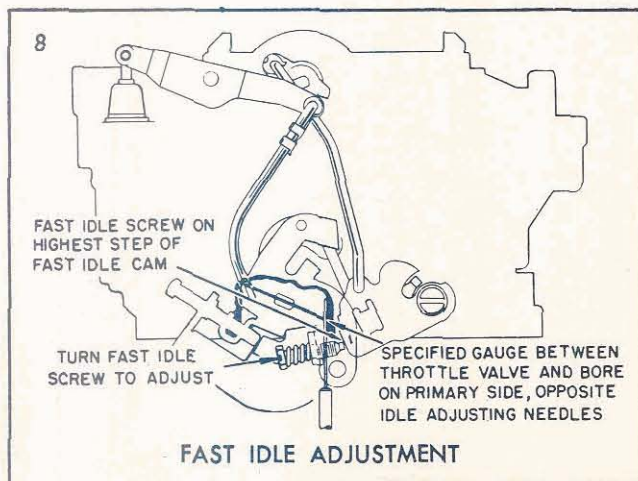
Holding the choke valve closed, bend the intermediate choke rod as necessary so that the end of the choke piston is flush to 1/32" out of the choke piston sleeve.



CHOKE MODIFIER ADJUSTMENT

SETTING INDEX

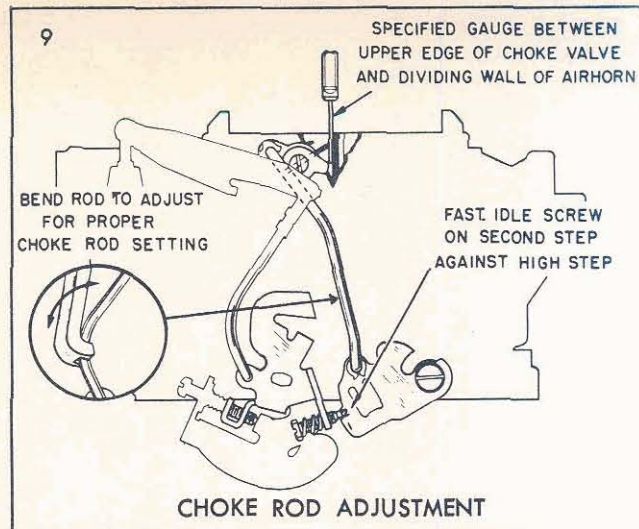
With throttle valves held completely closed, loosen retaining screw (1) and rotate pointer (2) counterclockwise until the choke valve begins to close, and index pointer lines up with major index mark on choke cover. Tighten retaining screw.



FAST IDLE ADJUSTMENT

SETTING .024. USE GAUGE BT-90
1500 R.P.M.

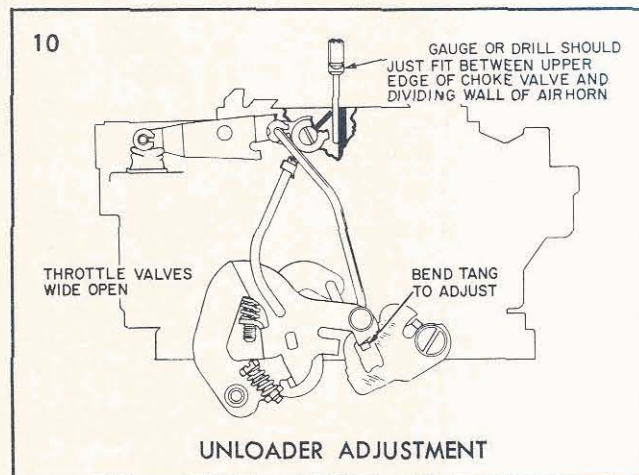
Turn the fast idle screw against the highest step of the fast idle cam, to obtain a clearance of .024 between the throttle valve and bore, opposite the idle adjusting needles.



CHOKE ROD ADJUSTMENT

SETTING .052. USE GAUGE BT-68, TOOL BT-18

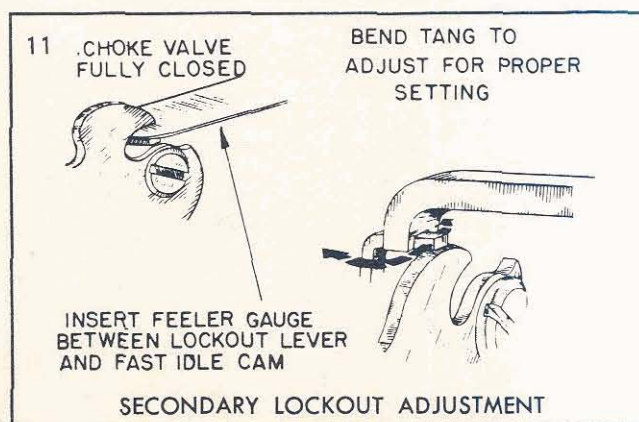
With the fast idle screw resting on the 2nd step and against the high step of the fast idle cam, bend the choke rod as shown to obtain a clearance of .052" between the choke valve edge and the dividing air horn wall.



UNLOADER ADJUSTMENT

SETTING .092. USE TOOL BT-68, GAUGE BT-90

Bend the unloader tang on the fast idle cam to obtain a clearance of .092 between the choke valve edge and the dividing air horn wall with the throttle valves wide open.



SECONDARY LOCKOUT ADJUSTMENT

SETTING .015. USE TOOL BT-91-A

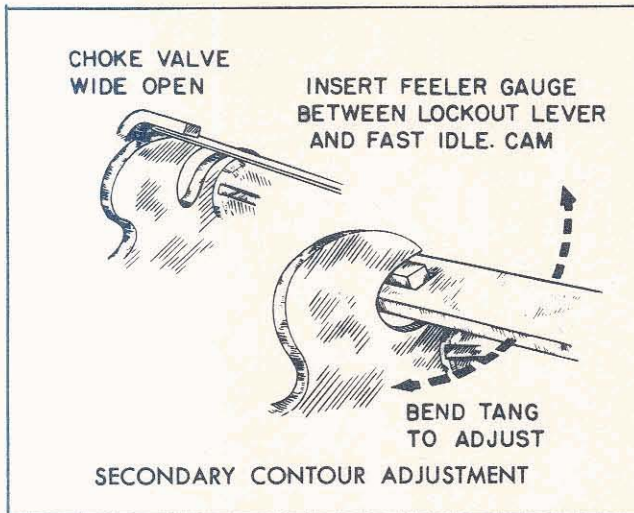
With the choke valve fully closed, bend the lockout lever as shown to obtain .015 clearance between the cam and the widest surface of the lockout lever at the point shown.



Rochester Carburetors MODEL 4GC

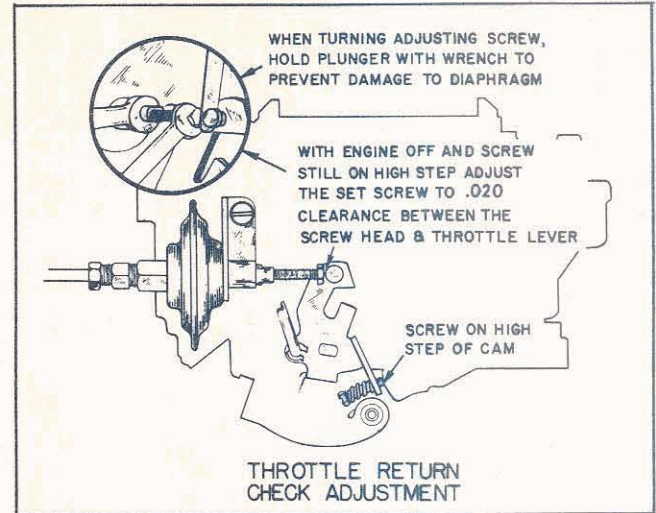
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DATE: AUGUST, 1958

1957 OLDSMOBILE ADJUSTMENTS AND SPECIFICATIONS



SETTING .030. USE TOOL BT-69

With the *choke valve wide open*, bend the lockout lever as shown to obtain .030 clearance between the cam and the narrowest surface of the lockout lever at the point shown.



Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1500 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .020" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm. Do not shut off engine at fast idle speeds, return engine to slow idle, first.

QUICK REFERENCE ADJUSTMENT SPECIFICATIONS

ADJUSTMENT	DIMENSION		GAUGE
FLOAT LEVEL	1-5/8"		BT-89
FLOAT DROP	2-1/4"		SCALE
PUMP ROD	1-3/64"		SCALE
INTERMEDIATE CHOKE ROD	0-1/32"		—
IDLE VENT	SEE ABOVE		—
AUTOMATIC CHOKE	INDEX		—
CHOKE ROD	.052		BT-68
UNLOADER	.092		BT-68
FAST IDLE	.024		BT-90
SECONDARY LOCKOUT	.015		FEELER GAUGE
SECONDARY CONTOUR	.030		FEELER GAUGE
THROTTLE RETURN CHECK	.028		FEELER GAUGE

CARBURETOR SPECIFICATIONS	7009470 (HYD) 7009471 (STD)		TUNE UP SPECIFICATIONS
	PRIMARY	SECONDARY	
THROTTLE BORE	1-7/16"	1-7/16"	SPARK PLUG GAP — .030"
MAIN VENTURI	1 1/8"	1 1/4"	BREAKER GAP — .016"
SMALL VENTURI	1/4"	1/4"	CAM DWELL — 26° to 33°
IDLE NEEDLE ORIFICE	.046	—	IGNITION TIMING — 5° BTDC
IDLE TUBE RESTRICTIONS	.028	NONE	@ 850 R.P.M. WITH NO VAC.
MAIN METERING JETS	.053	.070	IDLE R.P.M. — HYD 425 R.P.M. (DR)
NOZZLE CLEARANCE	.100	.100	SYN 450 R.P.M. (NEUTRAL)
MAIN WELL VENTS	.032	.032	FAST IDLE — 1500 to 1600 R.P.M.
CLUSTER TOP BLEED	.038	NONE	
CLUSTER SIDE BLEED	.040	NONE	
LOWER IDLE BLEED	.043	NONE	
POWER RESTRICTIONS	.070	—	
PUMP JETS	.029	—	

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A GENERAL MOTORS PRODUCT



A UNITED MOTORS-AC LINE

UNITED MOTORS SERVICE—AC DIVISION, GENERAL MOTORS PRODUCTS OF CANADA LIMITED, OSHAWA, ONTARIO
CO, WD, 131, 149, 9X, 9FR, 9FD



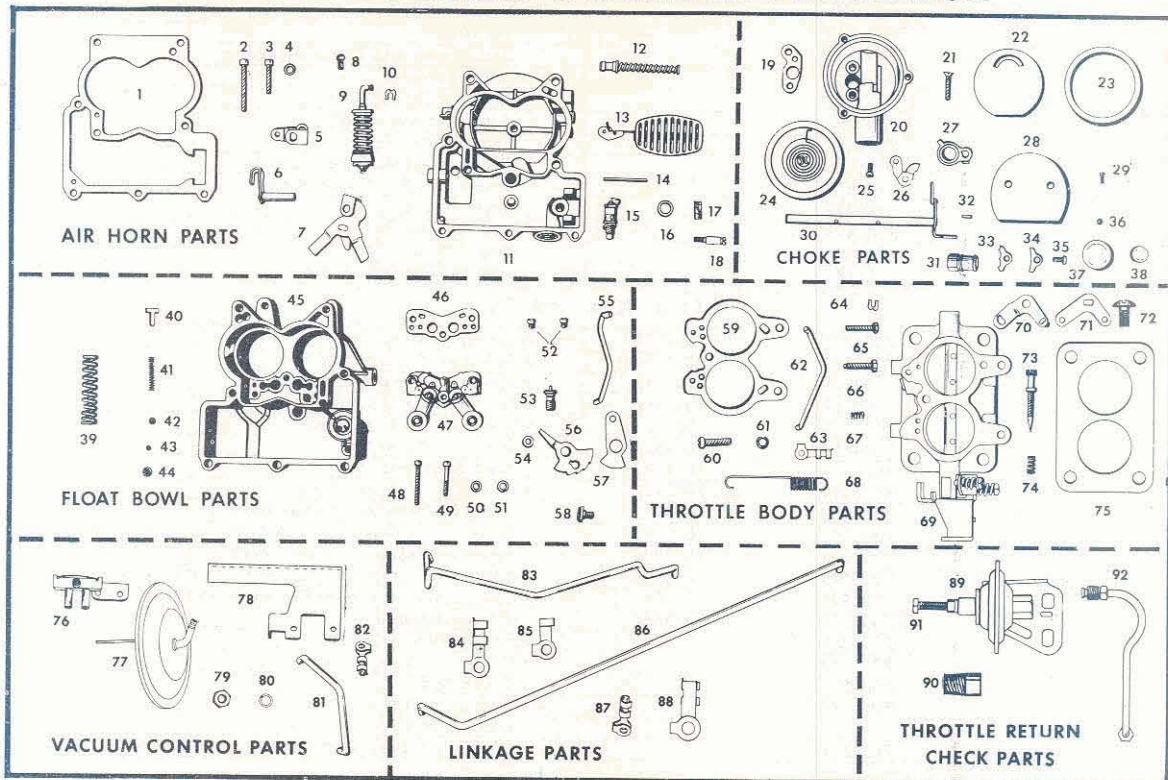
Rochester Carburetors

TRIPLE POWER PACK — MODEL 2GC

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1957 OLDSMOBILE

TRIPLE TWO-BARREL CARBURETOR INSTALLATION



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

1957 JETAWAY			APPLICATION
Front	Center	Rear	
7010960	7010959	7010958	Carburetor No.
7010960	7010959	7010958	Replacement Carb. Package No.
7011000			Complete Power Package No.
7015734	7015732	7015731	REPAIR KIT
7015751	7015752	7015751	GASKET KIT

Illus. No.	AIR HORN PARTS			
1	7000299	7000299	7000299	★Gasket — Air Horn
2	7010432	7010432	7010432	Screw — Air Horn
3	7006119	7006119	7006119	Screw — Air Horn
4	120217	120217	120217	Lockwasher — Air Horn Screw
5	7000266	7000266	7000266	Lever — Pump Inside
6	7000263		7000263	Pump Shaft and Lever Assembly
7		7011297		Pump Shaft and Lever Assembly
8	7010424	7010424	7010424	Screw — Pump Lever
9	7000278	7000278	7000278	★Pump Assembly
10	7005032	7005032	7005032	★Clip — Pump Plunger
11	7011381	7011380	7011087	Air Horn Assembly
12		7011478		Power Piston Assembly
13	7000273	7000273	7000273	Float Assembly
14	7002081	7002081	7002081	Pin — Float Hinge
15	7009458	7009458	7009458	★Needle and Seat Assembly
16	7001613	7001613	7001613	★Gasket — Needle Seat
17	7006079	7006079	7006079	★Strainer — Needle Seat
18	7010971		7010971	Pin — Throttle Return Spring

CHOKE PARTS

19		7007502		★Gasket — Choke Housing
20-31		7011502		Choke Housing and Piston Kit
21		7004821		Screw — Choke Housing
22		7006643		Baffle Plate
23		7002760		★Gasket — Stat Cover
24		7011382		Stat Cover, Coil and Gasket Assembly

★REPAIR KIT CONTENTS

1957 JETAWAY				APPLICATION Carburetor No.
Front 7010960	Center 7010959	Rear 7010958		
Illus. No.	CHOKE PARTS (Continued)			
25		1875051		Screw — Trip Lever
26		7011014		Trip Lever
27		7009248		Choke Lever and Collar Assembly
28		7000255		Choke Valve
29		7007627		Screw — Choke Valve
30		7000253		Choke Shaft Assembly
32		7004748		Pin — Choke Piston
33		7006846		Retainer — Stat Cover (toothed)
34		7000614		Retainer — Stat Cover (plain)
35		7010424		Screw — Stat Cover
36		7002814		Plug — Lead Ball
37		7003135		Plug — Expansion (large)
38		7006475		Plug — Expansion (small)

FLOAT BOWL PARTS				
39	7004597	7004597	7004597	★Spring — Pump Return
40	7000286	7000286	7000286	★Guide — Pump Discharge
41	7002118	7002118	7002118	★Spring — Pump Discharge
42	7002117	7002117	7002117	★Ball — Pump Discharge
43	7002120	7002120	7002120	★Ball — Pump Inlet Check
44	7004557	7004557	7004557	★Screen — Pump Inlet
45	7011088	7011089	7011088	Float Bowl Assembly
46	7000292	7000292	7000292	★Gasket — Venturi Cluster
47	7010972	7011052	7010972	Venturi Cluster Assembly Assembly
48	7000293	7000293	7000293	Screw — Venturi Cluster (outer)
49	7000294	7000294	7000294	Screw — Venturi Cluster (center)
50	7000295	7000295	7000295	★Gasket — Venturi Cluster Center Screw (center)
51	121841	121841	121841	Lockwasher — Venturi Cluster Screws
52	7002659	7002658	7002659	Jet — Standard
53		7009349		★Power Valve Assembly
54		7001613		★Gasket — Power Valve
55		7005817		Choke Rod
56		7011346		Cam — Fast Idle
57	7011496			Lockout Lever
58	7003561	7003561		Screw — Lockout Lever and Cam Attaching

THROTTLE BODY PARTS				
59	7011326	7011326	7011326	★Gasket — Throttle Body
60	7005188	7005188	7005188	Screw — Throttle Body
61	121744	121744	121744	Lockwasher — Throttle Body Screw
62	7011005	7011627	7011627	Pump Rod
63	7003242	7003242	7003242	★Clip — Pump Rod
64		7005032	7005032	★Clip — Pump Rod
65		7001619		Idle Stop Screw
66		7003122		Fast Idle Screw
67		7003176		Spring — Fast Idle and Idle Stop Screws
68	7011003		7011003	Spring — Throttle Return
69	7011092	7011091	7011090	Throttle Body Assembly
70			7011369	Lever — Rear Carburetor Actuating
71	7011370			Lever — Front Carburetor Actuating
72	7010435		7010435	Screw — Throttle Lever Retaining
73		7007008		★Idle Needle
74		7003190		Spring — Idle Needle
75	571151	571151	571151	★Gasket — Flange

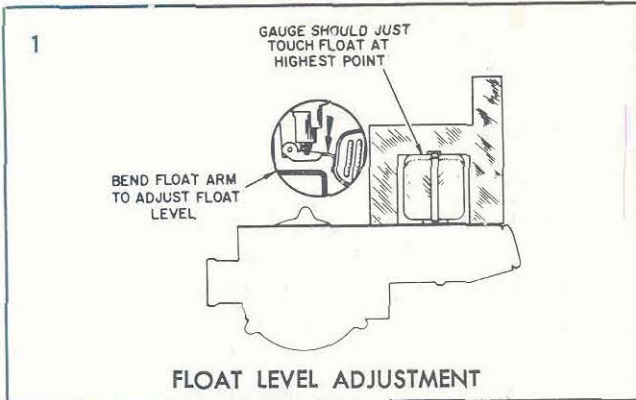
VACUUM CONTROL PARTS				
76		7011310		Vacuum Switch
77	1998827			Vacuum Control Unit
78	7011280			Bracket — Vacuum Unit
79	120614			Nut
80	120217			Lockwasher
81	7011274			Link — Vacuum Unit Actuating
82	7011249			★Clip — Link Retaining

Illus. No.	LINKAGE PARTS	
83	7011007	Link — Choke Lockout Lever
84	7003137	Clip — Lockout Lever Link (lower)
85	7010773	Clip — Lockout Lever Link (upper)
86	7011009	Link — (Front to Rear Carburetor Throttle Levers)
87	7011249	Clip — Throttle Link (rear)
88	554285	Clip — Throttle Link (front)

THROTTLE RETURN CHECK PARTS		
89	7011010	Throttle Return Check Assembly
90	7008987	Check Valve Assembly
91	7003234	Contact Screw
92	7011908	Tube and Nuts Assembly

Rochester Carburetors 1957 OLDSMOBILE TRIPLE TWO BARREL CARBURETOR INSTALLATION ADJUSTMENTS AND SPECIFICATIONS

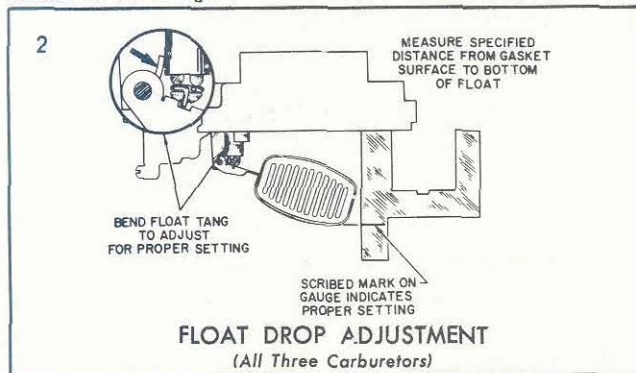
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FRONT AND REAR CARBURETORS—7010960, 7010958	
DIMENSION 1-5/16"	GAUGE BT-136
CENTER CARBURETOR—7010959	
DIMENSION 1-9/32"	GAUGE BT-109

With the air horn inverted and the gasket in place, position the float level gauge over the float so it rests against the pump side of the power piston shaft, with the outer leg in line with the center of the float.

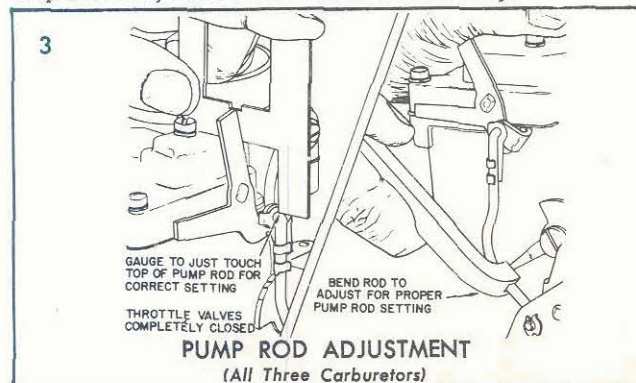
Bend the float arm as shown until the float just touches the bottom of the Gauge.



SETTING 1-29/32", GAUGE BT-109 OR SCALE

The float drop is correct when the distance from the air horn gasket to the bottom of the float is 1-29/32" with the air horn held upright.

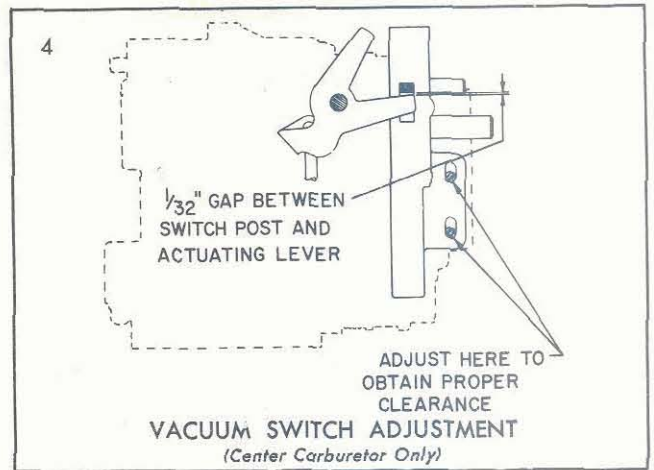
Bend the float tang to adjust; toward needle seat to lessen drop and away from needle seat to increase drop.



SETTING 15/16", GAUGE BT-109

Back off fast idle and idle stop screws and hold the throttle valves completely closed. Check the distance from the top of the air horn casting to the top of the pump rod as shown.

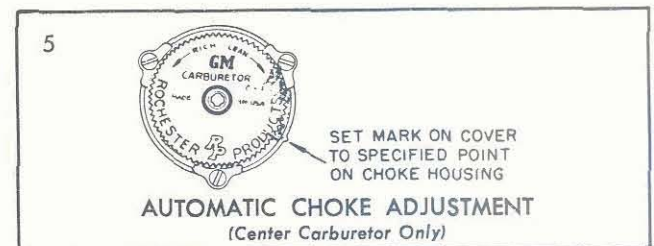
Bend the pump rod with Bending Tool BT-18. Use gauge BT-109 to obtain the specified setting of 15/16".



SETTING 1/32" — (.031")

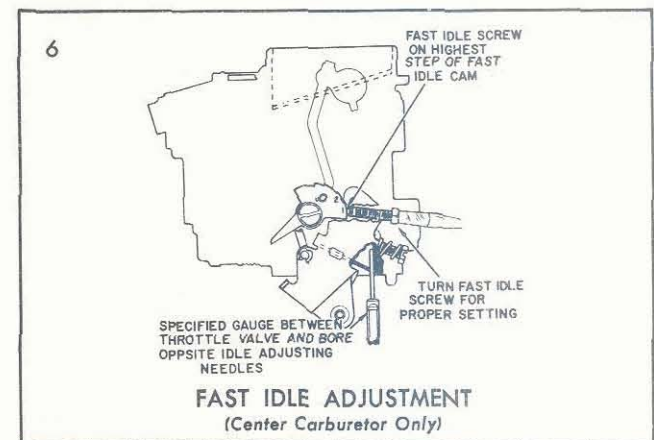
With throttle valves completely closed there should be 1/32" clearance between the tang on the pump lever and actuating post on the vacuum switch. To adjust loosen the two retaining screws holding switch to bracket and move switch assembly up or down to obtain the desired clearance.

CAUTION: Make sure actuating post on the vacuum switch is in the full up position before checking clearance. Tighten switch retaining screws after making adjustment.



SETTING, 1 NOTCH LEAN

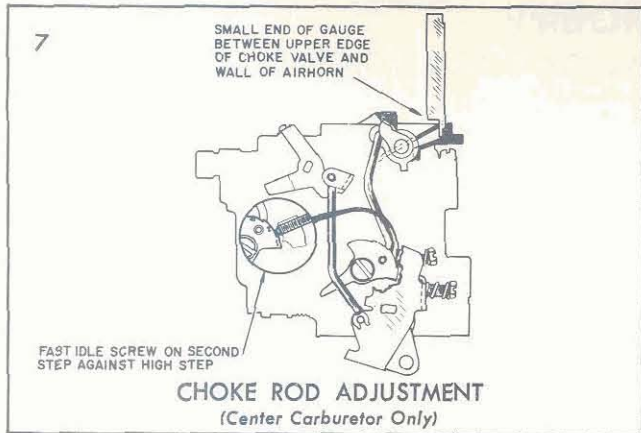
Loosen the three retaining screws and rotate the coil cover counter-clockwise against the coil tension until the index mark on the cover is in one notch lean position with the specified mark on the choke housing.



SETTING .024", GAUGE BT-90

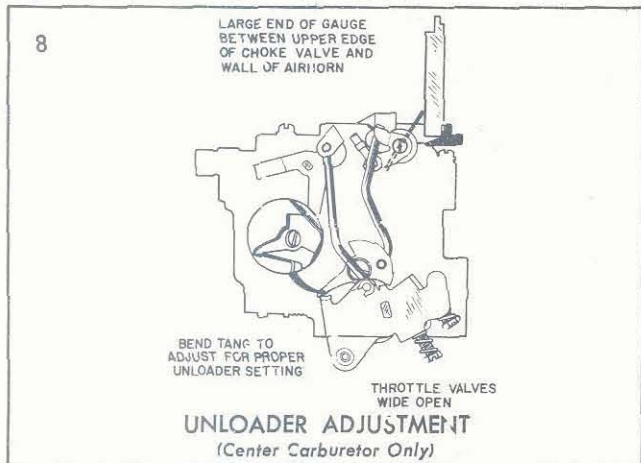
With the choke valve closed and the fast idle screw resting on the high step of the fast idle cam, place gauge between the throttle valve and bore opposite the idle needles. Turn the fast idle screw in until gauge just drops out.

Note: This is a preliminary adjustment; final adjustment should be made on the car with the engine running. Fast idle 1500 RPM.



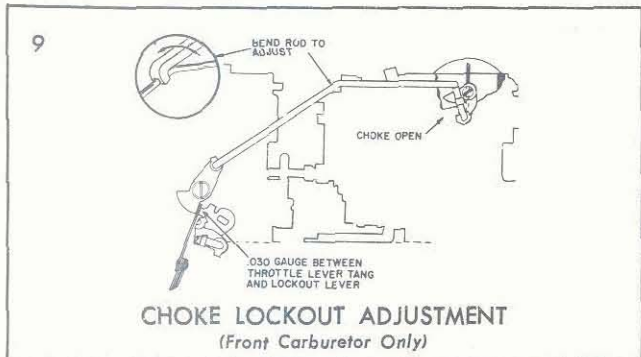
SETTING .040", GAUGE BT-110

Place the fast idle screw on the second step of the fast idle cam next to the high step. Make sure choke trip lever is in contact with the choke counterweight lever. Bend counterweight tang as shown so that gauge just fits between the upper edge of the choke valve and air horn wall.



SETTING .140", GAUGE BT-110

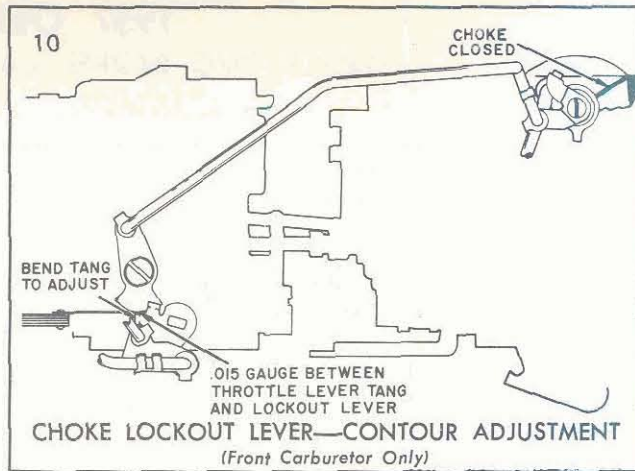
With the throttle valves held wide open the choke valve should be open just enough to admit the large end of gauge between the upper edge of the choke valve and inner air horn wall. Bend the tang on the throttle lever with Bending Tool BT-69 as shown, to adjust.



SETTING .030", USE FEELER GAUGE

This adjustment is necessary to locate the lockout lever on the front carburetor in the proper position so that only the center carburetor will operate during choke operation. This adjustment must be made with the carburetor installed on the engine and the lockout linkage installed as shown.

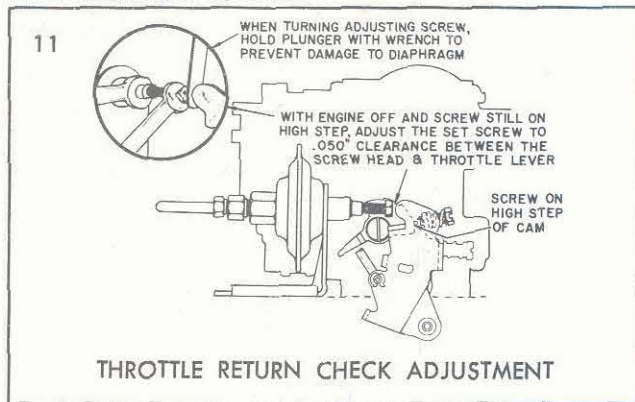
To adjust hold the choke valve (center carburetor) in the wide open position. With the throttle valves slightly open on the front carburetor there should be a clearance of .030" between the lockout lever and the throttle lever on the front carburetor as shown. Measure clearance with a feeler gauge and bend the lockout rod with Bending Tool BT-18 to adjust.



SETTING .015", USE FEELER GAUGE

This adjustment is necessary to maintain the proper clearance between the contour portion of the lockout lever and the lockout tang on the throttle lever.

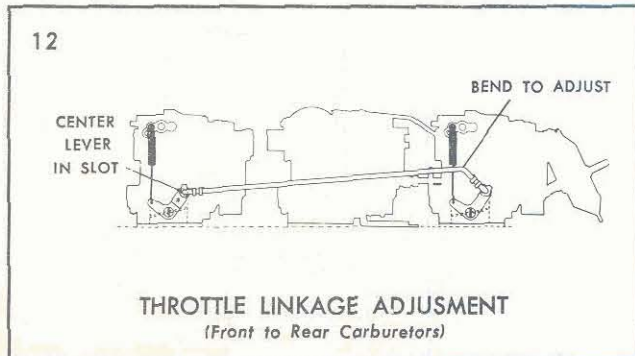
To adjust hold the throttle valves (front carburetor) completely closed. With the choke valve on the center carburetor in the closed position and the choke lockout lever rod connected, bend the lockout tang on the throttle lever (front carburetor) to obtain .015" clearance between the lockout lever and tang on the throttle lever as shown.



SETTING .050" USE FEELER GAUGE

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1500 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.



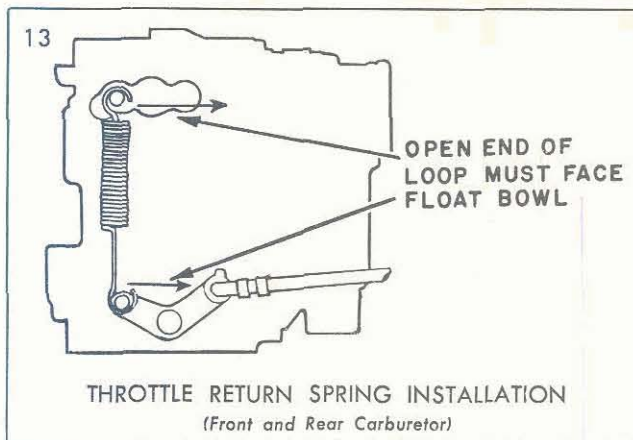
SETTING .030", USE FEELER GAUGE

Disconnect rear end of throttle actuating rod which connects the throttle levers on the front and rear carburetors together. With both the throttle valves closed on the front and rear carburetors the rod should center in the slot in the throttle lever on the rear carburetor. Bend the throttle rod with Bending Tool BT-18 to adjust. Connect throttle rod after adjustment.

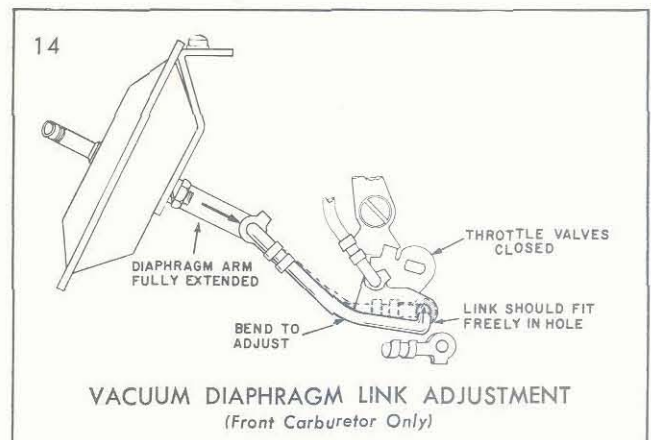
Rochester Carburetors 1957 OLDSMOBILE

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DATE 7-1-57

TRIPLE TWO-BARREL CARBURETOR INSTALLATION ADJUSTMENTS AND SPECIFICATIONS



The throttle return spring on the front and rear carburetors should be installed as shown. The open end of spring loop should face towards the float bowl. This is very important due to the fact it increases the life of the spring and also allows the throttle shafts to move freely.



With the throttle valves closed and the arm on the vacuum diaphragm in the fully extended position, bend the vacuum unit actuating link — if necessary so that it fits freely into the hole in the throttle lever.

For basic operation and description of systems, refer to Bulletin 9 D-10-57A.

QUICK REFERENCE SPECIFICATIONS

CARBURETOR No.	FRONT	CENTER	REAR	TUNE-UP
	7010960	7010959	7010958	
SMALL VENTURI	1/8"	1/8"	1/8"	Spark Plug Gap — .030" Breaker Point Gap — .016" Cam Dwell — 30° Ignition Timing 5° BTDC @ 850 R.P.M. Dist. Vac. Line Disconnected Idling R.P.M. - H.T. 425 Dr. Syn. 450 Neut. Fast Idle — 1500 R.P.M.
LARGE VENTURI	1 1/4"	1 1/4"	1 1/4"	
MAIN METERING JETS	.059	.058	.059	
IDLE NEEDLE HOLES	—	.046	—	
DISCHARGE HOLES	LOWER	—	.027	
	MIDDLE	—	.026	
	UPPER	—	.030	
SPARK DRILLINGS	—	.040 (2)	—	
PUMP JETS	.030	.030	.030	
POWER RESTRICTIONS	—	.040	—	
CHOKE RESTRICTIONS	CHANNEL	—	.089	
	BY-PASS	—	—	
IDLE TUBE RESTRICTION	—	.032	—	
ADJUSTMENTS	DIMENSION	DIMENSION	DIMENSION	
FLOAT LEVEL	1-5/16"	1-9/32"	1-5/16"	Center Carburetor BT-109 Front and Rear Carburetor BT-136
FLOAT DROP	1-29/32"	1-29/32"	1-29/32"	BT-109 or Scale
PUMP ROD	15/16"	15/16"	15/16"	BT-109
VACUUM SWITCH	—	1/32" (.031)	—	Feeler Gauge or Scale
AUTOMATIC CHOKE	—	1-Notch Lean	—	—
FAST IDLE	—	.024	—	BT-90
CHOKE ROD	—	.040	—	BT-110
UNLOADER	—	.140	—	BT-110
CHCKE LOCKOUT	.030	—	—	Feeler Gauge
CHOKE CONTOUR	.015	—	—	Feeler Gauge
THROTTLE RETURN CHECK	—	.050	—	Feeler Gauge

CARBURETOR TOOLS AND GAUGES AS LISTED ARE AVAILABLE THROUGH UMS DISTRIBUTORS

A GENERAL MOTORS PRODUCT



A UNITED MOTORS-AC LINE

UNITED MOTORS SERVICE—AC DIVISION, GENERAL MOTORS PRODUCTS OF CANADA LIMITED, OSHAWA, ONTARIO



Rochester Carburetors

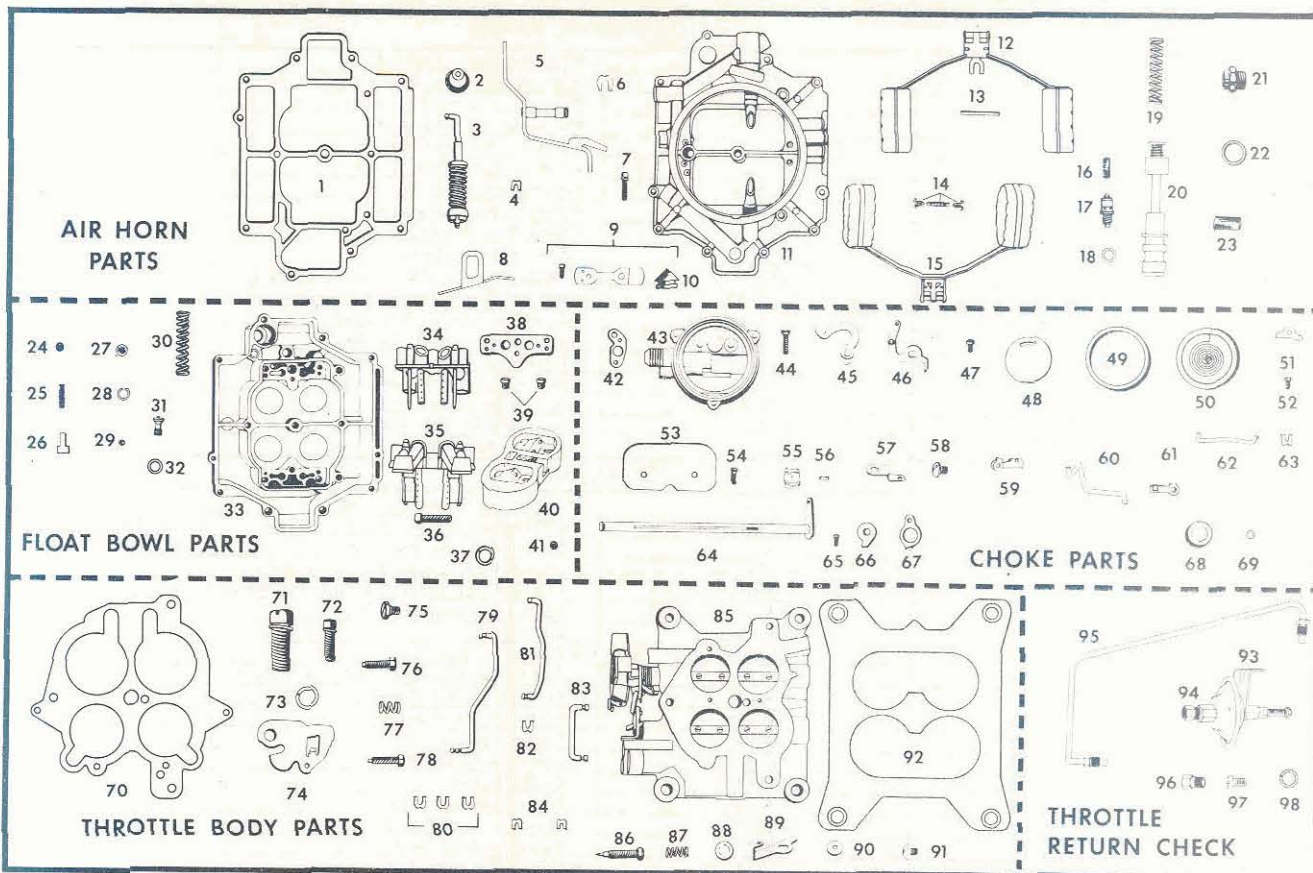
MODEL 4GC

1958 OLDSMOBILE

BULLETIN 9C-511

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DATE: 10/15/57



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

Illus. No.	1958		YEAR
	HYDRAMATIC	SYNCHROMESH	APPLICATION
	7012400	7012401	CARBURETOR No.
	7015814	7015814	REPLACEMENT PACKAGE No.
	7015834	7015834	REPAIR KIT
	7015854	7015854	GASKET KIT
AIR HORN PARTS			
1	7006061	7006061	★Gasket — Air Horn
2	7006372	7006372	★Boot — Pump Plunger
3	7012339	7012339	★Pump Assembly
4	7005032	7005032	★Clip — Pump Plunger
5	7012526	7012526	Pump Shaft and Lever Assembly
6	7007616	7007616	★Clip — Pump Shaft
7	7000249	7000249	Screw — Air Horn
8	7012520	7012520	Shield — Idle Vent Valve
9	7012188	7012188	Idle Vent Valve Kit
10	7007129	7007129	Idle Vent Valve
11	7012206	7012206	Air Horn Assembly
12	7011945	7011945	Primary Float Assembly
13	7001595	7001595	Pin — Float Hinge
14	7001850	7001850	Float Balance Spring and Clips Assembly (Secondary Only)
15	7012148	7012148	Secondary Float Assembly
16	7006079	7006079	★Strainer — Needle Seat
17	7012207	7012207	★Needle and Seat Assembly (Primary)
17	7012144	7012144	★Needle and Seat Assembly (Secondary)
18	7001613	7001613	★Gasket — Needle Seat
19	7012515	7012515	Spring — Power Piston
20	7011947	7011947	Power Piston Assembly
21	7002862	7002862	Strainer Nut
22	7001597	7001597	★Gasket — Strainer Nut
23	7003083	7003083	★Strainer — Fuel Inlet

★ REPAIR KIT CONTENTS

ILLUS. No.	1958		YEAR
	HYDRAMATIC	SYNCHROMESH	APPLICATION
	7012400	7012401	CARBURETOR No.

FLOAT BOWL PARTS			
24	7002117	7002117	★Ball — Pump Discharge
25	7006059	7006059	★Spring — Pump Discharge
26	7003838	7003838	★Guide — Pump Discharge
27	7001604	7001604	★Strainer — Pump Inlet
28	7001605	7001605	★Retainer — Inlet Strainer
29	7002120	7002120	★Ball — Pump Inlet Check
30	7008694	7008694	★Spring — Pump Return
31	7011994	7011994	★Power Valve Assembly
32	7012488	7012488	★Gasket — Power Valve
33	7012208	7012208	Float Bowl Assembly
34	7011800	7011800	Venturi Cluster Assembly — Primary
35	7011930	7011930	Venturi Cluster Assembly — Secondary
36	7010421	7010421	Screw — Cluster Attaching
37	121841	121841	Lockwasher — Cluster Screw
38	7007803	7007803	★Gasket — Venturi Cluster
39	7001607	7001607	Jet — Primary — Standard
39	7008688	7008688	Jet — Secondary
40	7012578	7012578	Auxiliary Throttle Valve Assembly
41	7002814	7002814	Plug — Lead Ball

CHOKE PARTS			
42	7007502	7007502	★Gasket — Choke Housing
43	7010200	7011211	Choke Housing Assembly
44	7004821	7004821	Screw — Choke Housing
45	7007503	7007503	Intermediate Choke Shaft Assembly
46	7009852	7009852	Choke Piston Lever and Link Assembly
47	1875051	1875051	Screw — Piston Lever
48	7010598	7010598	Baffle Plate
49	7002760	7002760	★Gasket — Stat Cover
50	7011236	7011236	Stat Cover, Coil and Gasket Assembly
51	7000614	7000614	Retainer — Stat Cover
52	7010424	7010424	Screw — Stat Cover
53	7000191	7000191	Choke Valve
54	7007627	7007627	Screw — Choke Valve
55	7010522	7010522	Choke Piston
56	7010746	7010746	Pin — Choke Piston
57	7010743	7010743	Lever — Choke Modifier
58	7010434	7010434	Screw — Modifier Lever
59	7003242	7003242	★Clip — Modifier Rod — Upper
60	7011607	7011607	Rod — Choke Modifier
61	7003137	7003137	★Clip — Modifier Rod — Lower
62	7010357	7010357	Rod — Intermediate Choke
63	7005109	7005109	★Clip — Intermediate Rod
64	7007143	7007143	Choke Shaft Assembly
65	1875051	1875051	Screw — Trip Lever
66	7000196	7000196	Trip Lever
67	7008547	7008547	Choke Lever and Collar Assembly
68	7003135	7003135	Plug — Expansion
69	7002814	7002814	Plug — Lead Ball

THROTTLE BODY PARTS			
70	7011604	7011604	★Gasket — Throttle Body
71	7004324	7004324	Screw — Throttle Body — Large
72	7005188	7005188	Screw — Throttle Body — Small
73	121744	121744	Lockwasher — Small Screws
74	7010636	7010636	Cam — Fast Idle
75	7003561	7003561	Screw — Cam Attaching
76	7011546	7011546	Fast Idle Screw
77	7001690	7001690	Spring — Fast Idle Screw
78	7001619	7001619	Idle Stop Screw
79	7011717	7011717	Choke Rod
80	7005032	7005032	★Clip — Choke Rod
81	7012528	7012528	Pump Rod
82	7005032	7005032	★Clip — Pump Rod
83	7000241	7000241	Link — Secondary Lever
84	7005032	7005032	★Clip — Secondary Lever Link
85	7012209	7012209	Throttle Body Assembly
86	7011079	7011079	Idle Needle
87	7011479	7011479	Spring — Idle Needle
88	7006475	7006475	Expansion Plug
89	7010744	7010744	Lever — Choke Modifier Actuating
90	7010354	7010354	Washer — Modifier Actuating Lever
91	7010435	7010435	Screw — Modifier Actuating Lever
92	573280	573280	★Gasket — Flange

THROTTLE RETURN CHECK PARTS			
93	7011715	7011715	Throttle Return Check Assembly
94	7008987	7008987	Check Valve Assembly
95	7010203	7010203	Tube and Nuts Assembly
96	148072	148072	Tube Connector
97	7008480	7008480	Screw — Return Check Attaching
98	120380	120380	Lockwasher — Check Screw

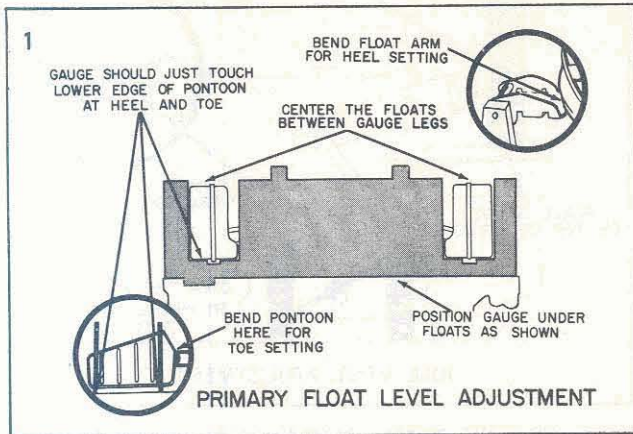
Rochester Carburetors

MODEL 4GC

OLDSMOBILE SUPER 88 AND 98

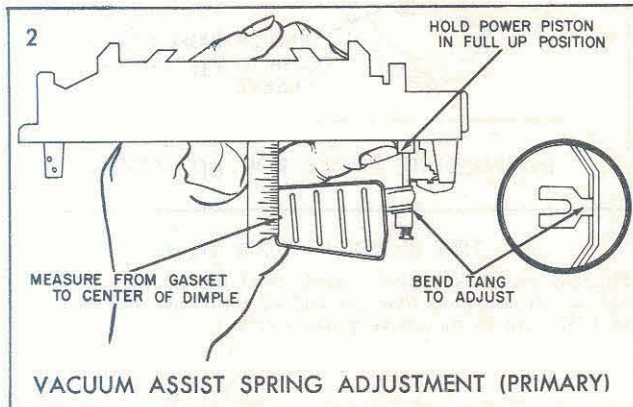
ADJUSTMENTS AND SPECIFICATIONS

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SETTING .276", GAUGE BT-140

With the air horn inverted and gasket in place, install the float level gauge (BT-140) under the heel of the primary float pontoons, as shown. With the gauge vertical, the pontoon surface should just touch the gauge. If the floats are too high or low, bend the float arms at rear, as shown, until pontoons just touch gauge. Slide the gauge under the toe of the pontoons, as shown. Again, the lower surface of pontoons should just touch gauge. Adjustments may be made by placing bending tool (BT-142) in place on arms, as shown, grasping the pontoon, and lightly bending the pontoon to just touch the gauge. The lower surface of the float should now be parallel with the air horn surface and the gauge should slide freely under pontoons. With the gauge still under floats, hold the lug on the lower surface of the gauge against the inside of the air horn casting. The pontoons should center in the cut-out section between the gauge legs. If alignment is needed, bend float arms horizontally at the point shown until the pontoons are centered at heel and toe. Move float assembly from side at hinge pin and check to make sure floats do not rub sides of gauge legs.



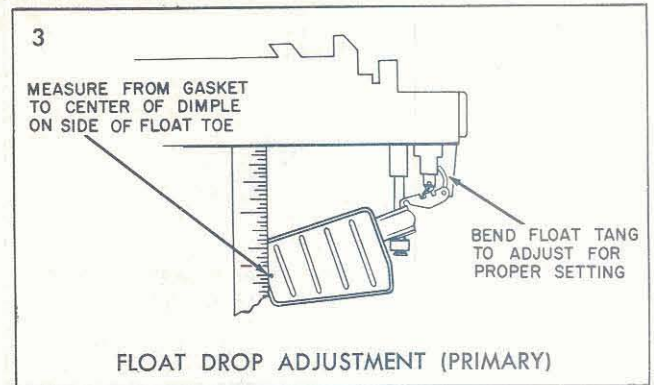
SETTING 1-5/32", USE SCALE

With the air horn held upright and level, as shown, hold the power piston in the full up position, with the thumb as shown. Jounce pontoon lightly to make sure the cup retainer on the vacuum assist spring is not binding on the power piston stem. Measure the distance from the gasket to the center of the dimple on the float pontoon at toe; it should be 1-5/32".

NOTE: Always hold power piston in "up" position.

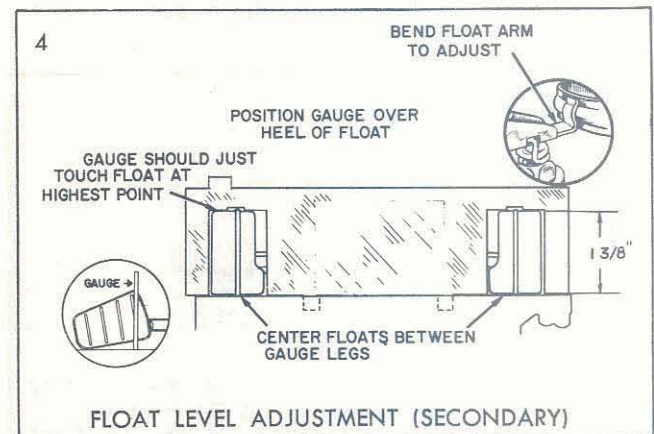
To adjust, bend tang at center of float arms as shown with Bending Tool BT-142.

After centering floats recheck alignment by aligning screw holes in air horn gasket with screw holes in air horn. Then make sure float pontoons are centered in the cut-out sections of the gasket and the sides of the pontoons are parallel with the adjacent edges of the gasket.



SETTING 1 1/2", USE SCALE

With the air horn held upright and the power piston fully extended, measure the distance from the gasket to the center of the dimple; it should be 1 1/2". To obtain the correct setting bend the tang at the rear float hanger towards needle seat to lessen drop and away from seat to increase drop.

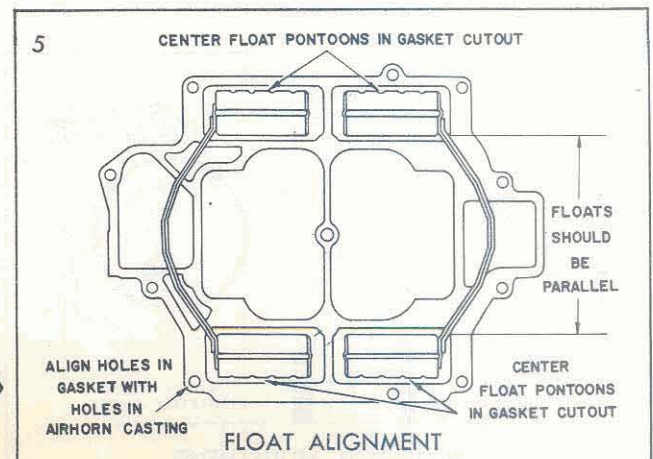


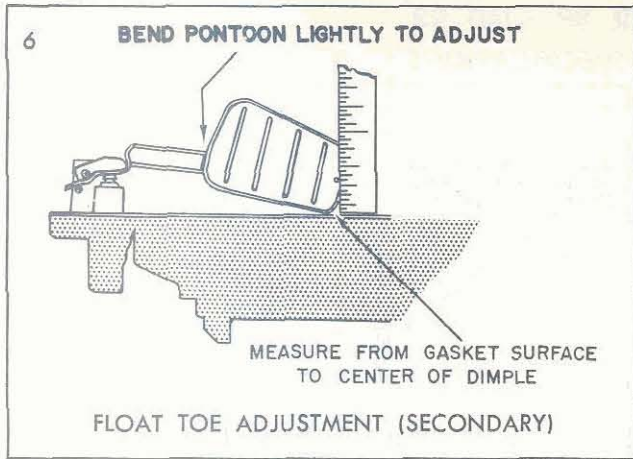
SETTING 1 3/8", GAUGE BT-140

With the air horn inverted and gasket in place, position float gauge over the float heel (large end) as shown. Upper surface of pontoon should just touch gauge. Bend the float arm at rear at point shown to adjust.

With the float gauge still positioned over the heel of the floats as above and centered in the air horn, each float pontoon should be centered between gauge legs. Bend the float arms at points shown to align.

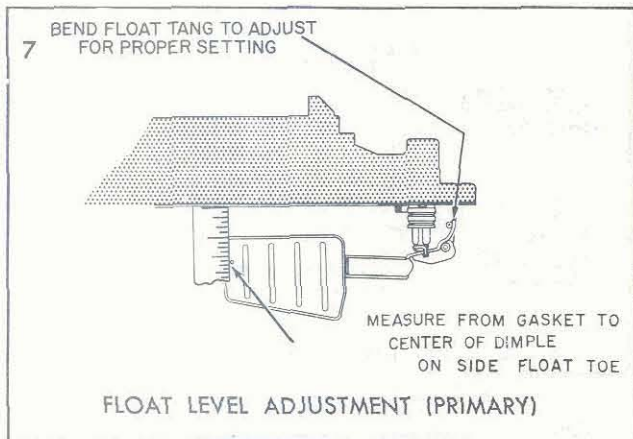
Move float assembly from side to side at hinge pin to make sure pontoons do not rub sides of gauge legs.





SETTING $\frac{3}{8}$ ". USE SCALE

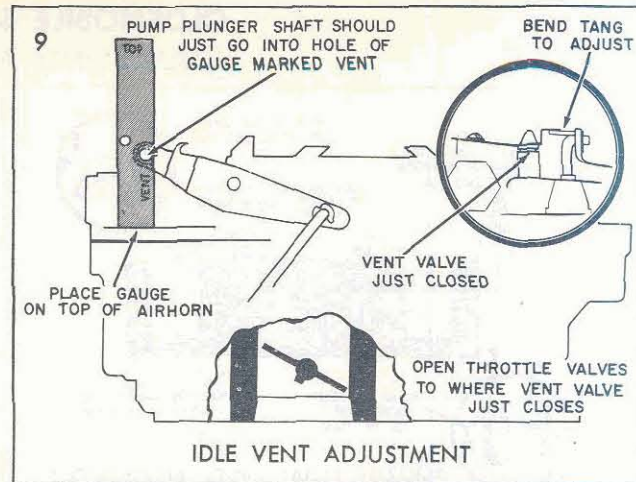
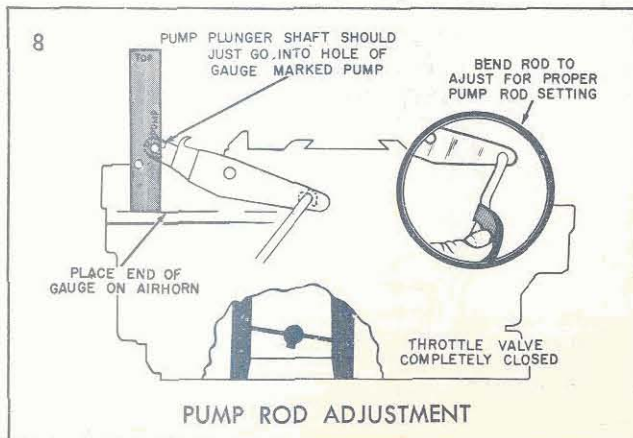
With the air horn still inverted and gasket in place, measure the distance from the gaskets to the center of the dimple on the side of the float pontoon at toe (small end). Dimension should be $\frac{3}{8}$ ". To adjust bend the toe of the pontoon up or down while holding the float arm at point shown. Always recheck float heel adjustment if toe adjustment is necessary.



SETTING $1\text{-}5/16$ ". USE SCALE

With the air horn held upright and level, gasket in place and the floats hanging freely, measure the distance from the gasket to the center of dimple on side of float toe, as shown. Jounce floats lightly with finger to make sure they are in fully settled position. Dimension $1\text{-}5/16$ ".

Bend the tang at the rear of the float arms, against the balance spring to decrease float drop and away from the balance spring to increase float drop.



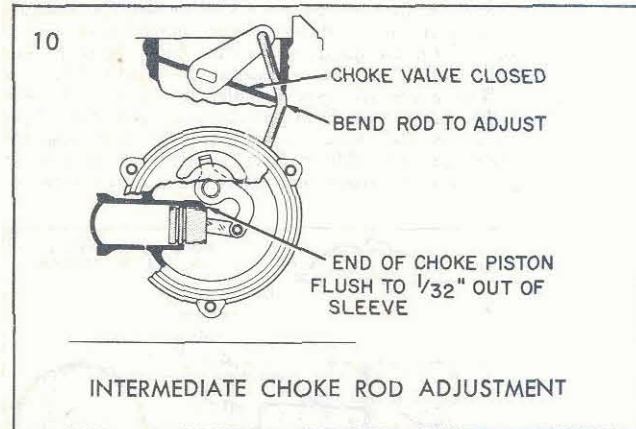
SETTING $29/32$ ". GAUGE BT-147 OR SCALE

Note: Make pump rod adjustment before adjusting idle vent valve.

Place combination "pump" and "vent" gauge on top of air horn with side marked "vent" next to pump plunger shaft, as shown.

Open throttle valves to point where the vent valve is just closed. With the throttle valves held in this position, the hole marked "vent" on the gauge should slide freely over pump plunger shaft.

Bend the tang on the pump lever, as shown to adjust.



USE BENDING TOOL BT-18

Holding the choke valve closed, bend the intermediate choke rod as necessary so that the end of the choke piston is flush to $1/32$ " out of the choke piston sleeve.

SETTING $1\text{-}3/64$ ". GAUGE BT-147 OR SCALE

Back out fast and slow idle screws until throttle valves are completely closed. Place combination "pump" and "vent" gauge on top of air next to pump plunger, as shown. With the throttle valves closed and lower edge of gauge resting on top of air horn, the pump plunger shaft should slide freely into hole of gauge marked "pump".

Bend the pump rod with Bending Tool BT-18 as shown to adjust.

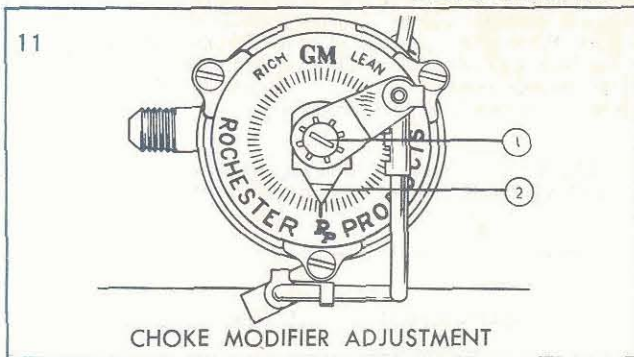
Rochester Carburetors

MODEL 4GC

OLDSMOBILE SUPER 88 AND 98

ADJUSTMENTS AND SPECIFICATIONS

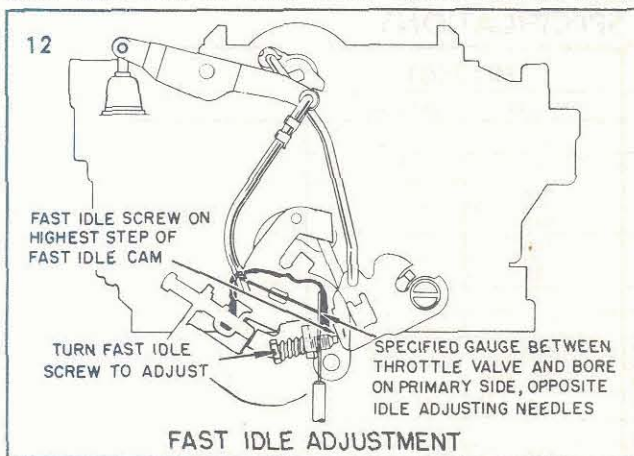
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CHOKE MODIFIER ADJUSTMENT

SETTING INDEX

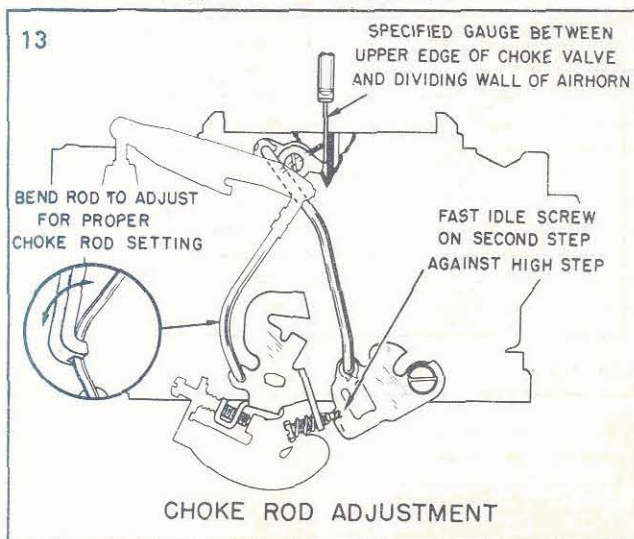
With throttle valves held completely closed, loosen retaining screw (1) and rotate pointer (2) counterclockwise until the choke valve begins to close, and index pointer lines up with major index mark on choke cover. Tighten retaining screw.



FAST IDLE ADJUSTMENT

SETTING .024, USE GAUGE BT-90

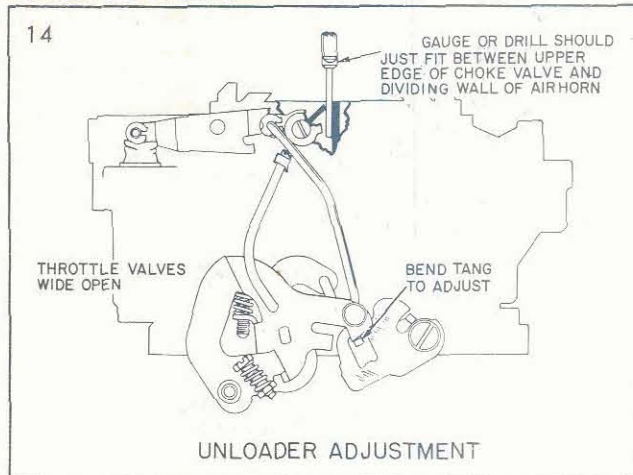
Turn the fast idle screw against the highest step of the fast idle cam, to obtain a clearance of .024 between the throttle valve and bore, opposite the idle adjusting needles.



CHOKE ROD ADJUSTMENT

SETTING .052, USE GAUGE BT-68, TOOL BT-18

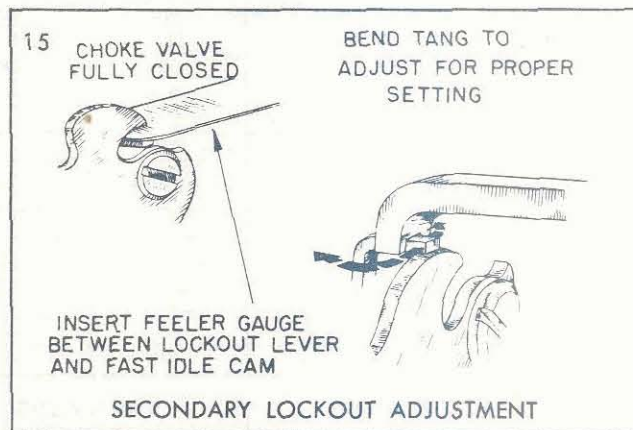
With the fast idle screw resting on the 2nd step and against the high step of the fast idle cam, bend the choke rod as shown to obtain a clearance of .052" between the choke valve edge and the dividing air horn wall.



UNLOADER ADJUSTMENT

SETTING .115, USE TOOL BT-69, GAUGE BT-90

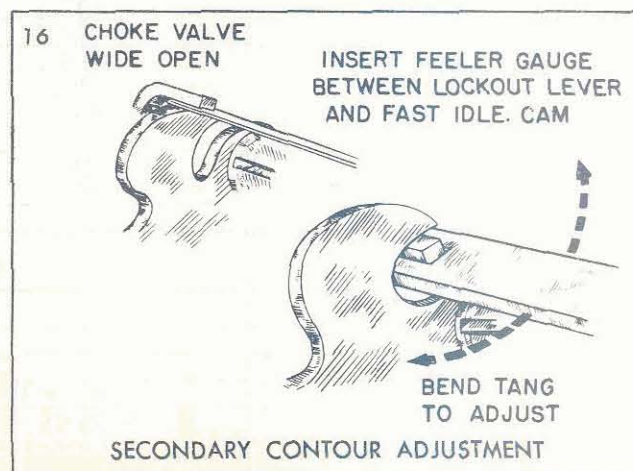
Bend the unloader tang on the fast idle cam to obtain a clearance of .115 between the choke valve edge and the dividing air horn wall with the throttle valves wide open.



SECONDARY LOCKOUT ADJUSTMENT

SETTING .015, USE TOOL BT-91

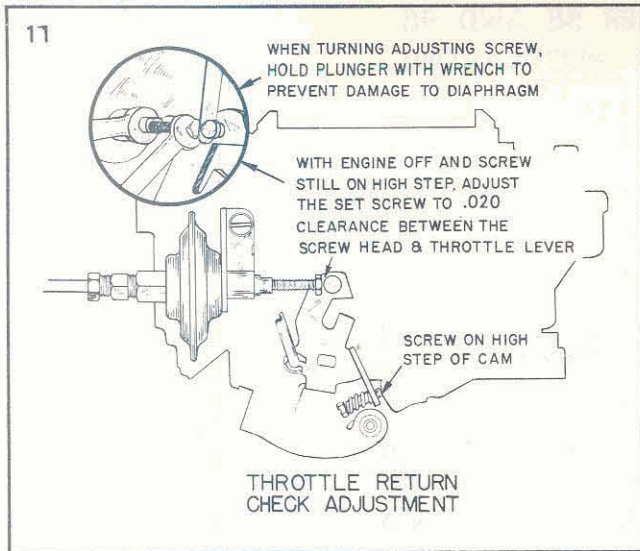
With the *choke valve fully closed*, bend the lockout lever as shown to obtain .015 clearance between the cam and the widest surface of the lockout lever at the point shown.



SECONDARY CONTOUR ADJUSTMENT

SETTING .030, USE TOOL BT-69

With the *choke valve wide open*, bend the lockout lever as shown to obtain .030 clearance between the cam and the narrowest surface of the lockout lever at the point shown.



Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1500 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .020" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

CARBURETOR TOOLS AND GAUGES
AS LISTED ARE AVAILABLE
THROUGH UMS DISTRIBUTORS

QUICK REFERENCE SPECIFICATIONS

CARBURETOR No.	7012400		7012401		GAUGE No.
	PRIMARY	SECONDARY	PRIMARY	SECONDARY	
SMALL VENTURI	1/4"	1/4"	1/4"	1/4"	
LARGE VENTURI	1 1/8"	1-15/32"	1 1/8"	1-15/32"	
MAIN METERING JETS	.054	.088	.054	.088	
IDLE NEEDLE HOLES	.046	—	.046	—	
SECONDARY DISCHARGE HOLES	LOWER .026 MIDDLE .028 UPPER .030	—	.026 .028 .030	—	
SPARK DRILLINGS	—	—	—	—	
PUMP JETS	.029	—	.029	—	
POWER RESTRICTIONS	.057	—	.057	—	
RESTRICTIONS	CHOKE CHANNEL .093 BY-PASS —	—	.093 —	—	
IDLE TUBE RESTRICTION	.029	—	.029	—	
LOWER IDLE BLEED	.040	—	.040	—	
ADJUSTMENTS	DIMENSIONS		DIMENSIONS		
FLOAT LEVEL	.276	1 3/8"	.276	1 3/8"	BT-140
VACUUM ASSIST SPRING	1-5/32"	—	1-5/32"	—	SCALE
FLOAT DROP	1 1/2"	1-5/16"	1 1/2"	1-5/16"	SCALE
PUMP ROD	1-3/64"		1-3/64"		BT-147 OR SCALE
IDLE VENT	29/32"		29/32"		BT-147 OR SCALE
INTERMEDIATE CHOKE ROD	0-1/32"		0-1/32"		—
AUTOMATIC CHOKE	INDEX		INDEX		—
FAST IDLE	.024		.024		—
CHOKE ROD	.052		.052		BT-68
UNLOADER	.115		.115		BT-90
SECONDARY LOCKOUT	.015		.015		FEELER
SECONDARY CONTOUR	.030		.030		FEELER
THROTTLE RETURN CHECK	.020		.020		.020
TUNE-UP	DIMENSIONS				
SPARK PLUG GAP	.030				
BREAKER POINT GAP	.016				
CAM DWELL	30°				
IGNITION TIMING	5° B.T.D.C. @ 850 R.P.M. Dist. Vac Line Disconnected				
	AUTOMATIC TRANSMISSION — 460 "DRIVE"				
IDLE R.P.M.	SYNCHROMESH — 460 "NEUTRAL"				
FAST IDLE R.P.M.	1500 — 1600				

A GENERAL MOTORS PRODUCT

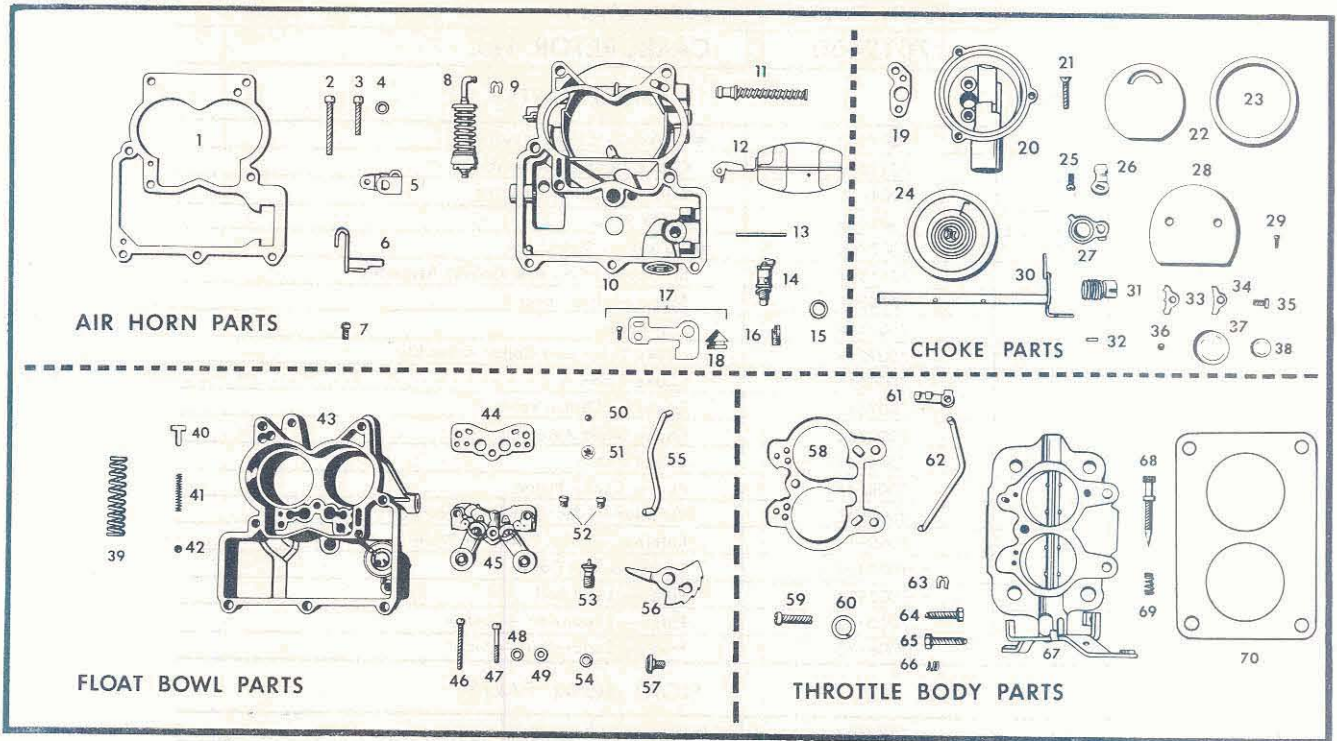


A UNITED MOTORS-AC LINE



Rochester Carburetors MODEL 2GC 1958 OLDSMOBILE

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PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	1958	YEAR
	AUTO. TRANS.	APPLICATION
	7012450	CARBURETOR No.
	7015805	REPLACEMENT PACKAGE No.
	7015826	REPAIR KIT
	7015752	GASKET KIT
Illus. No.	AIR HORN PARTS	
1	7000299	★Gasket — Air Horn
2	7010432	Screw — Air Horn
3	7006119	Screw — Air Horn
4	12017	Lockwasher — Air Horn Screws
5	7000266	Lever — Pump Inside
6	7006975	Pump Shaft and Lever Assembly
7	7010424	Screw — Pump Lever
8	7000278	★Pump Assembly
9	7005032	★Clip — Pump Plunger
10	7012444	Air Horn Assembly
11	7011478	Power Piston Assembly
12	7000273	Float Assembly
13	7002081	Pin — Float Hinge
14	7012602	★Needle and Seat Assembly
15	7001613	★Gasket — Needle Seat
16	7006079	★Strainer — Needle Seat
17	7012252	Idle Vent Valve Kit
18	7007129	Idle Vent Valve

Illus. No.	1958	YEAR
	AUTO. TRANS.	APPLICATION
	7012450	CARBURETOR No.
CHOKE PARTS		
19	7007502	★Gasket — Choke Housing
20	7011554	Choke Housing Assembly
21	7004821	Screw — Choke Housing
22	7006643	Baffle Plate
23	7002760	★Gasket — Stat Cover
24	7011382	Stat Cover, Coil and Gasket Assembly
25	1875051	Screw — Trip Lever
26	7006596	Trip Lever
27	7009248	Choke Lever and Collar Assembly
28	7000255	Choke Valve
29	7007627	Screw — Choke Valve
30	7000253	Choke Shaft Assembly
31	7011552	Choke Piston
32	7004748	Pin — Choke Piston
33	7006846	Retainer — Stat Cover — Toothed
34	7000614	Retainer — Stat Cover — Plain
35	7010424	Screw — Stat Cover
36	7002814	Plug — Lead Ball
37	7003135	Plug — Expansion — Large
38	7006475	Plug — Expansion — Small
FLOAT BOWL PARTS		
39	7004597	★Spring — Pump Return
40	7000286	★Guide — Pump Discharge
41	7002118	★Spring — Pump Discharge
42	7002117	★Ball — Pump Discharge
43	7011089	Float Bowl Assembly
44	7000292	★Gasket — Venturi Cluster
45	7011052	Venturi Cluster Assembly
46	7000293	Screw — Venturi Cluster — Outer
47	7000294	Screw — Cluster Center
48	7000295	★Gasket — Center Screw
49	121841	Lockwasher — Outer Screw
50	7002120	★Ball — Pump Inlet Check
51	7004557	★Screen — Pump Inlet
52	7002658	Jet — Standard
53	7009349	★Power Valve Assembly
54	7001613	★Gasket — Power Valve
55	7005817	Choke Rod
56	7011346	Cam — Fast Idle
57	7003561	Screw — Cam Attaching
THROTTLE BODY PARTS		
58	7011326	★Gasket — Throttle Body
59	7005188	Screw — Throttle Body
60	121744	Lockwasher — Screw
61	7003242	★Clip — Pump Rod
62	7011627	Pump Rod
63	7005032	★Clip — Pump Rod
64	7001619	Idle Stop Screw
65	7003122	Fast Idle Screw
66	7003176	Spring — Fast Idle and Idle Stop Screws
67	7012378	Throttle Body Assembly
68	7007008	★Idle Needle
69	7003190	Spring — Idle Needle
70	571151	★Gasket — Flange

Rochester Carburetors

MODEL 2GC

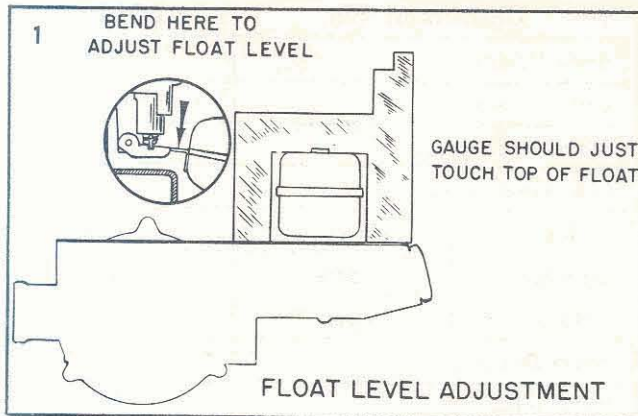
1958 OLDSMOBILE "88"

ADJUSTMENTS AND SPECIFICATIONS

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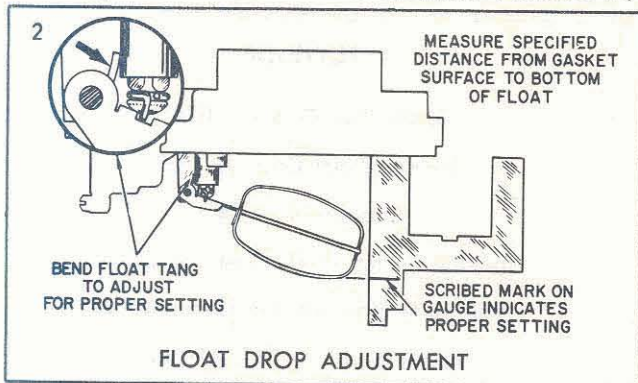
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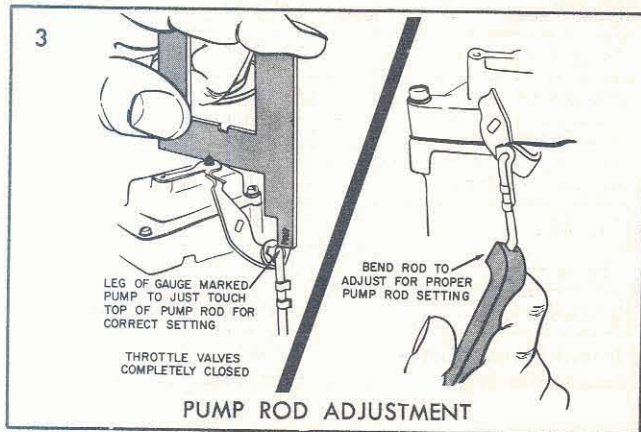
SETTING— $1\text{-}25/64$ " , USE BT-137

With the air horn inverted and the gasket in place, position the float level gauge over the float so that it rests against the pump side of the power piston shaft, with the outer gauge leg in line with the center of the float. Bend the float arm until the float just touches the bottom of the gauge. (Tool BT-69)



SETTING— $1\text{-}29/32$ " , USE GAUGE BT-137

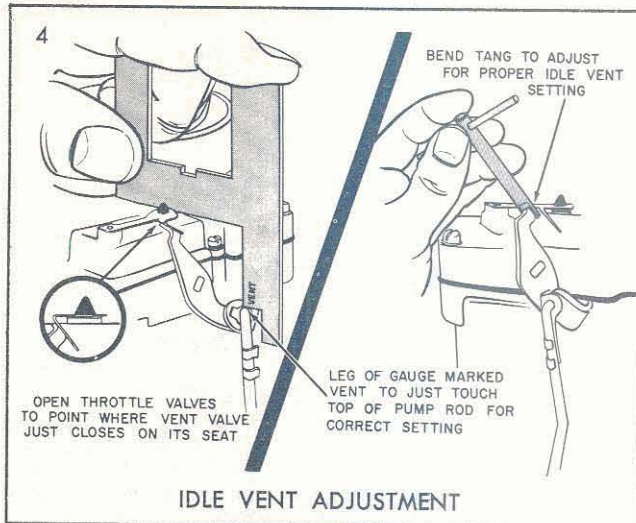
The float drop is correct when the distance from the air horn gasket to the bottom of the float is $1\text{-}29/32$ " , with the air horn held upright. Bend the float tang to adjust; toward needle seat to lessen drop and away from seat to increase drop.



SETTING— $15/16$ " , GAUGE BT-137

Back off fast and slow idle screws. With throttle valves held completely closed, check the distance from the top of the pump housing on the air horn to top of pump rod with gauge, as shown. Lower edge of gauge leg — marked "pump" — should just touch top of pump rod.

Bend pump rod at lower angle, as shown, to adjust.

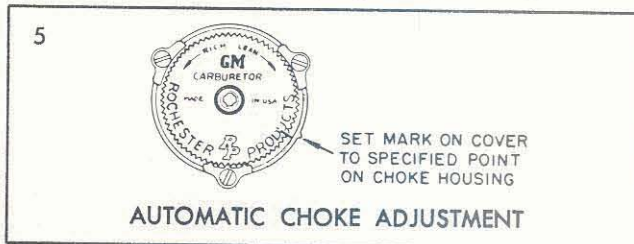


SETTING— $13/16$ " , GAUGE BT-137

NOTE: The pump rod adjustment should always be made before proceeding with vent adjustment.

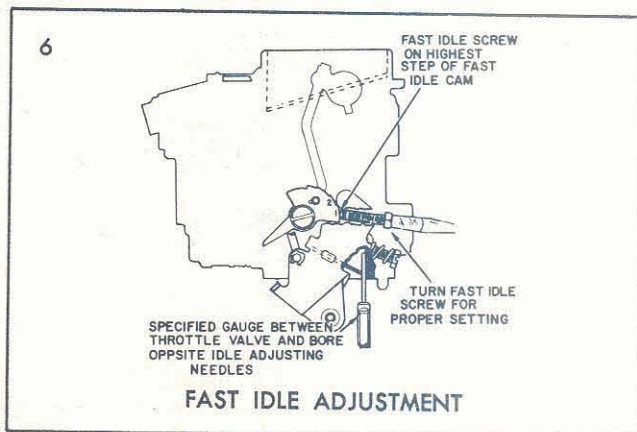
Place gauge on air horn, as shown. Open throttle valves to the point where the vent valve just closes on its seat. With the throttle valves held in this position, the leg of gauge — marked "vent" — should just touch top of pump rod.

Adjust by bending tang on pump lever, as shown.



SETTING, 1 NOTCH LEAN

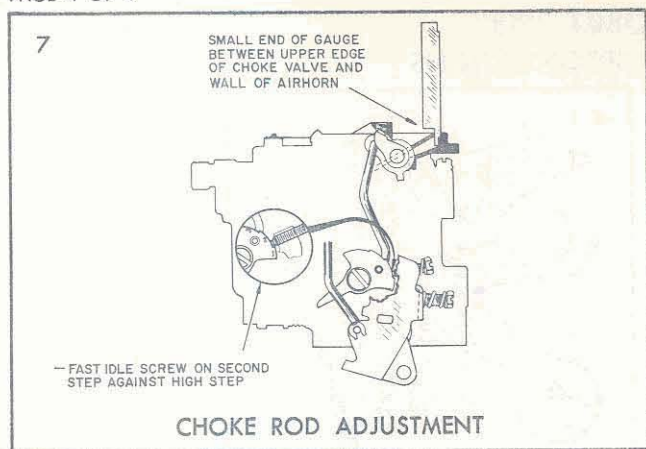
Loosen the three retaining screws and rotate the coil cover counter-clockwise against the coil tension until the index mark on the cover is in one notch lean position with the specified mark on the choke housing.



SETTING .024" , GAUGE BT-90

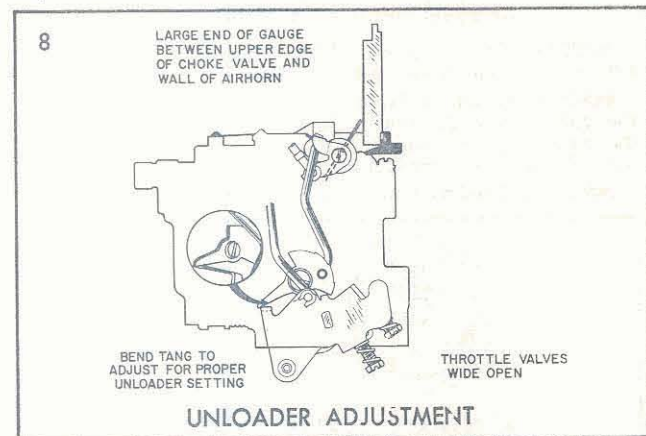
With the choke valve closed and the fast idle screw resting on the high step of the fast idle cam, place gauge between the throttle valve and bore opposite the idle needles. Turn the fast idle screw in until gauge just drops out.

Note: This is a preliminary adjustment; final adjustment should be made on the car with the engine running. Fast idle 1500 RPM.



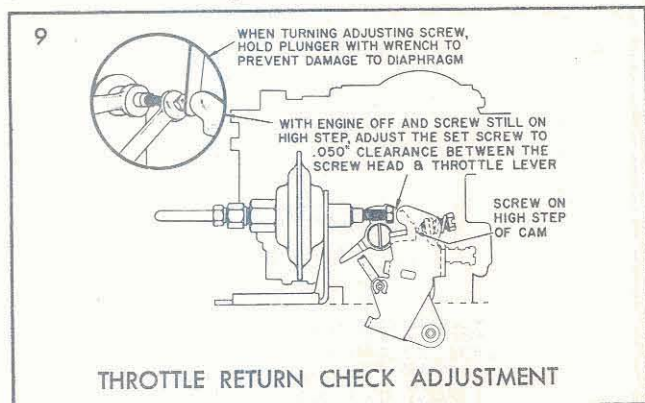
SETTING .040", GAUGE BT-110

Place the fast idle screw on the second step of the fast idle cam next to the high step. Make sure choke trip lever is in contact with the choke counterweight lever. Bend counterweight tang as shown so that gauge just fits between the upper edge of the choke valve and air horn wall.



SETTING .140", GAUGE BT-110

With the throttle valves held wide open the choke valve should be open just enough to admit the large end of gauge between the upper edge of the choke valve and inner air horn wall. Bend the tang on the throttle lever with Bending Tool BT-69 as shown, to adjust.



SETTING .050" USE FEELER GAUGE

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1500 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

QUICK REFERENCE SPECIFICATIONS

Carburetor No.		7012450
Small Venturi		1/8"
Large Venturi		1 1/4"
Main Metering Jets		.058
Idle Needle Holes		.046
Sec.	Lower	.027
Discharge Holes	Middle	.026
	Upper	.030
Spark Drillings		—
Pump Jets		.030
Power Restrictions		.040
Choke Restrictions	Channel	.089
	By-Pass	—
Idle Tube Restriction		.032

TUNE-UP

Spark Plug Gap — .030"

Breaker Point Gap — .016"

Cam Dwell — 30°

Ignition Timing 5° BTDC @ 850 R.P.M.

Distributor Vacuum Line Disconnected

Idling R.P.M. — H.T. 460 Dr.

Syn. 460 Neut.

Fast Idle — 1500 R.P.M.

Adjustments	7012450	Gauge No.
Float Level	1-25/64"	BT-137
Float Drop	1-29/32"	BT-137
Pump Rod	15/16"	BT-137
Idle Vent	13/16"	BT-137
Automatic Choke	1 - N.L.	Scale
Fast Idle	.024	—
Choke Rod	.040	BT-110
Unloader	.140	BT-110
Throttle Return Check	.050	Feeler

CARBURETOR TOOLS AND GAUGES

AS LISTED ARE AVAILABLE

THROUGH UMS DISTRIBUTORS



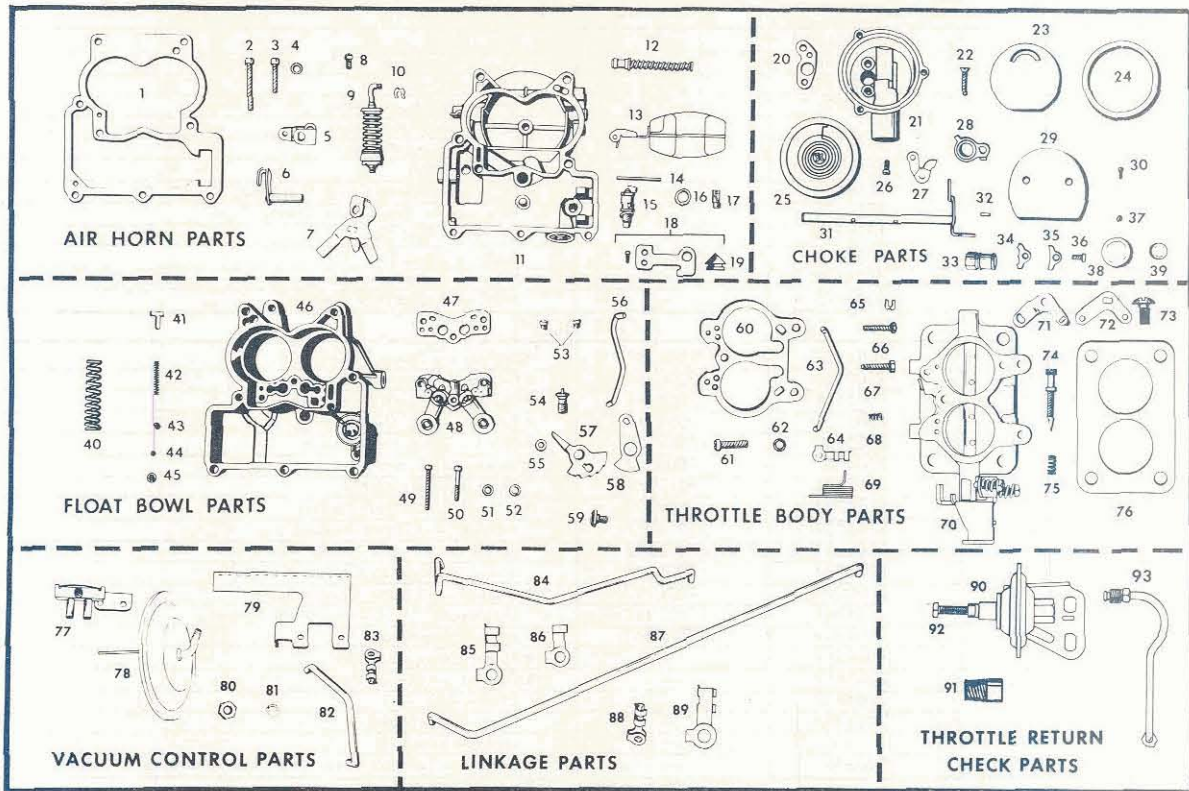
Rochester Carburetors

TRIPLE POWER PACK — MODEL 2GC

1958 OLDSMOBILE

BULLETIN 9C-513
PAGE 1 OF 5
DATE: 10/15/57

TRIPLE TWO-BARREL CARBURETOR INSTALLATION



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	1958			YEAR
	FRONT	CENTER	REAR	APPLICATION
	7011712	7011713	7011714	Carburetor No.
	7011712	7011713	7011714	Replacement Package No.
	—	7011711	—	Complete Power Package No.
	7015853	7015826	7015850	REPAIR KIT
	7015751	7015752	7015751	GASKET KIT

Illus. No.	AIR HORN PARTS			
1	7000299	7000299	7000299	★Gasket — Air Horn
2	7010432	7010432	7010432	Screw — Air Horn
3	7006119	7006119	7006119	Screw — Air Horn
4	120217	120217	120217	Lockwasher — Air Horn Screw
5	7000266	7000266	7000266	Lever — Pump Inside
6	7000263	—	7000263	Pump Shaft and Lever Assembly
7	—	7012134	—	Pump Shaft and Lever Assembly
8	7010424	7010424	7010424	Screw — Pump Lever
9	7000278	7000278	7000278	★Pump Assembly
10	7005032	7005032	7005032	★Clip — Pump Plunger
11	7011381	7012444	7011087	Air Horn Assembly
12	—	7011478	—	Power Piston Assembly
13	7000273	7000273	7000273	Float Assembly
14	7002081	7002081	7002081	Pin — Float Hinge
15	7012603	7012602	7012603	★Needle and Seat Assembly
16	7001613	7001613	7001613	★Gasket — Needle Seat
17	7006079	7006079	7006079	★Strainer — Needle Seat
18	—	7012252	—	Idle Vent Valve Kit
19	—	7007129	—	Idle Vent Valve
	CHOKE PARTS			
20	—	7007502	—	★Gasket — Choke Housing
21	—	7011554	—	Choke Housing Assembly
22	—	7004821	—	Screw — Choke Housing
23	—	7006643	—	Baffle Plate
24	—	7002760	—	★Gasket — Stat Cover
25	—	7011382	—	Stat Cover, Coil and Gasket Assembly
26	—	1875051	—	Screw — Trip Lever

★REPAIR KIT CONTENTS

ILLUS. NO.	1958			YEAR
	FRONT	CENTER	REAR	APPLICATION
	7011712	7011713	7011714	Carburetor No.

ILLUS. NO.	CHOKE PARTS (Continued)			
27	---	7011014	---	Trip Lever
28	---	7009248	---	Choke Lever and Collar Assembly
29	---	7000255	---	Choke Valve
30	---	7007627	---	Screw — Choke Valve
31	---	7000253	---	Choke Shaft Assembly
32	---	7011552	---	Pin — Choke Piston
33	---	7004748	---	Choke Piston
34	---	7006846	---	Retainer — Stat Cover (Toothed)
35	---	7000614	---	Retainer — Stat Cover (Plain)
36	---	7010424	---	Screw — Stat Cover
37	---	7002814	---	Plug — Lead Ball
38	---	7003135	---	Plug — Expansion (Large)
39	---	7006475	---	Plug — Expansion (Small)

FLOAT BOWL PARTS				
40	7004597	7004597	7004597	★Spring — Pump Return
41	7000286	7000286	7000286	★Guide — Pump Discharge
42	7002118	7002118	7002118	★Spring — Pump Discharge
43	7002117	7002117	7002117	★Ball — Pump Discharge
44	7002120	7002120	7002120	★Ball — Pump Inlet Check
45	7004557	7004557	7004557	★Screen — Pump Inlet
46	7011088	7012483	7011088	Float Bowl Assembly
47	7000292	7000292	7000292	★Gasket — Venturi Cluster
48	7010972	7011052	7010972	Venturi — Cluster Assembly
49	7000293	7000293	7000293	Screw — Venturi Cluster (Outer)
50	7000294	7000294	7000294	Screw — Venturi Cluster (Center)
51	7000295	7000295	7000295	★Gasket — Cluster Center Screw
52	121841	121841	121841	Lockwasher — Cluster Outer Screws
53	7008665	7002659	7008665	Jet — Standard
54	---	7009349	---	★Power Valve Assembly
55	---	7001613	---	★Gasket — Power Valve
56	---	7005817	---	Choke Rod
57	---	7011346	---	Cam — Fast Idle
58	7011878	---	---	Lockout Lever
59	7003561	7003561	---	Screw — Lockout Lever and Cam Attaching

THROTTLE BODY PARTS				
60	7011326	7011326	7011326	★Gasket — Throttle Body
61	7005188	7005188	7005188	Screw — Throttle Body
62	121744	121744	121744	Lockwasher — Throttle Body Screw
63	7011005	7011627	7011627	Pump Rod
64	7003242	7003242	7003242	★Clip — Pump Rod
65	---	7005032	7005032	★Clip — Pump Rod
66	---	7001619	---	Idle Stop Screw
67	---	7003122	---	Fast Idle Screw
68	---	7003176	---	Spring — Fast Idle and Idle Stop Screws
69	7011895	---	7011895	Spring — Throttle Return
70	7012226	7011091	7012227	Throttle Body Assembly
71	---	---	7011897	Lever — Rear Carburetor Actuating
72	7011894	---	---	Lever — Front Carburetor Actuating
73	7010435	---	7010435	Screw — Throttle Lever Retaining
74	---	7007008	---	★Idle Needle
75	---	7003190	---	Spring — Idle Needle
76	571151	571151	571151	★Gasket — Flange

VACUUM CONTROL PARTS				
77	---	7011889	---	Vacuum Switch
78	1998827	---	---	Vacuum Control Unit
79	7011280	---	---	Bracket — Vacuum Unit
80	120614	---	---	Nut
81	120217	---	---	Lockwasher
82	7011877	---	---	Link — Vacuum Unit Actuating
83	7011249	---	---	★Clip — Link Retaining

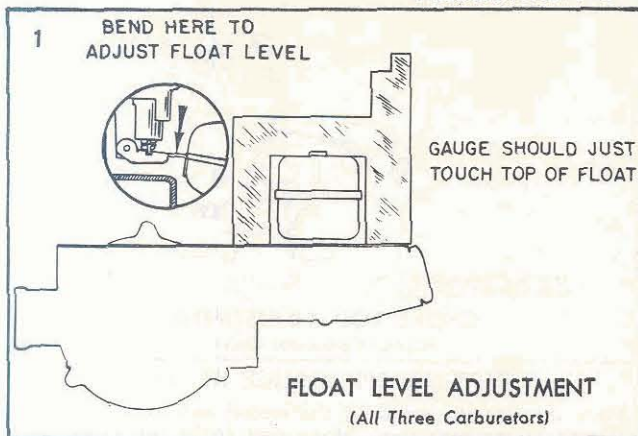
ILLUS. NO.	LINKAGE PARTS	
84	7011007	Link — Choke Lockout Lever
85	7003137	Clip — Lockout Lever Link (Lower)
86	7010773	Clip — Lockout Lever Link (Upper)
87	7012632	Link — Front to Rear Carburetor Throttle Levers
88	7011249	Clip — Throttle Link (Rear)
89	554285	Clip — Throttle Link (Front)
THROTTLE RETURN CHECK PARTS		
90	7011010	Throttle Return Check Assembly
91	7008987	Check Valve Assembly
92	7003234	Contact Screw
93	7011008	Tube and Nuts Assembly

Rochester Carburetors 1958 OLDSMOBILE TRIPLE TWO BARREL CARBURETOR INSTALLATION ADJUSTMENTS AND SPECIFICATIONS

BULLETIN 9C-513

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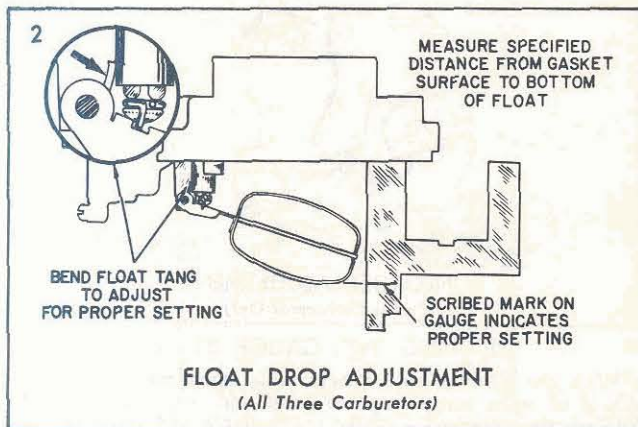
DATE: 10/15/57



SETTING— $1\text{-}25/64$ " , USE BT-137

With the air horn inverted and the gasket in place, position the float level gauge over the float so it rests against the pump side of the power piston shaft, with the outer leg in line with the center of the float.

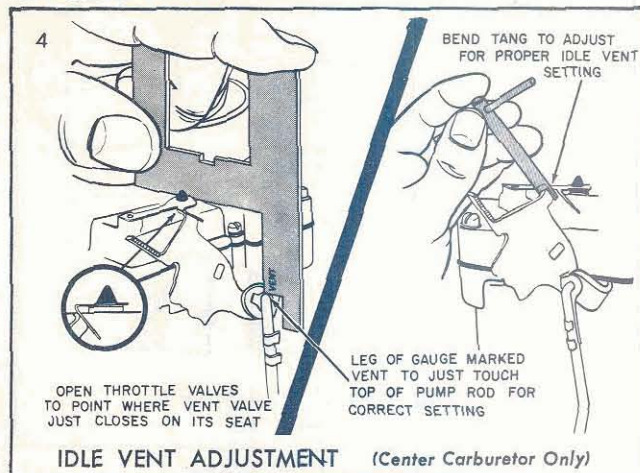
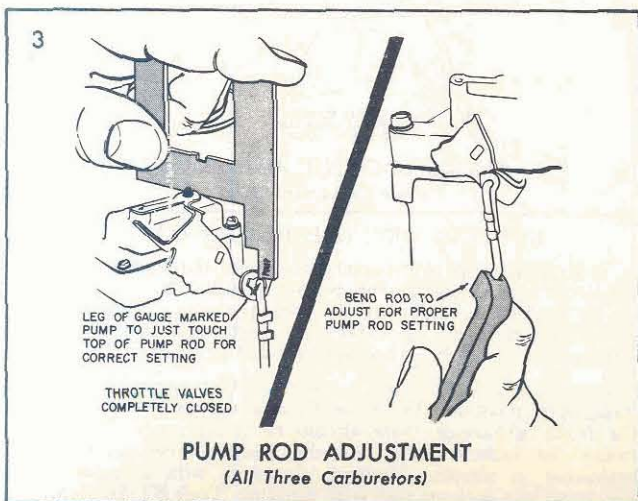
Bend the float arm as shown until the float just touches the bottom of the Gauge.



SETTING— $1\text{-}29/32$ " , GAUGE BT-137 OR SCALE

The float drop is correct when the distance from the air horn gasket to the bottom of the float is $1\text{-}29/32$ " with the air horn held upright.

Bend the float tang to adjust; toward needle seat to lessen drop and away from needle seat to increase drop.

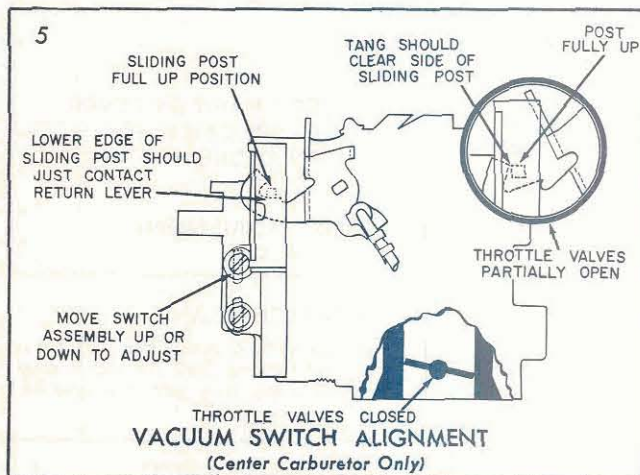


SETTING— $13/16$ " , GAUGE BT-137

NOTE: The pump rod adjustment should always be made before proceeding with vent adjustment.

Place gauge on air horn, as shown. Open throttle valves to the point where the vent valve just closes on its seat. With the throttle valves held in this position, the leg of gauge — marked "vent" — should just touch top of pump rod.

Adjust by bending tang on pump lever, as shown.



SETTING— $1\text{-}1/8$ " , SCALE

1—Loosen vacuum switch retaining screws. With throttle valves completely closed and the sliding switch post in the full "up" position, move the switch assembly down until bottom of switch post just contacts the inside edge of the return tang of the pump lever.

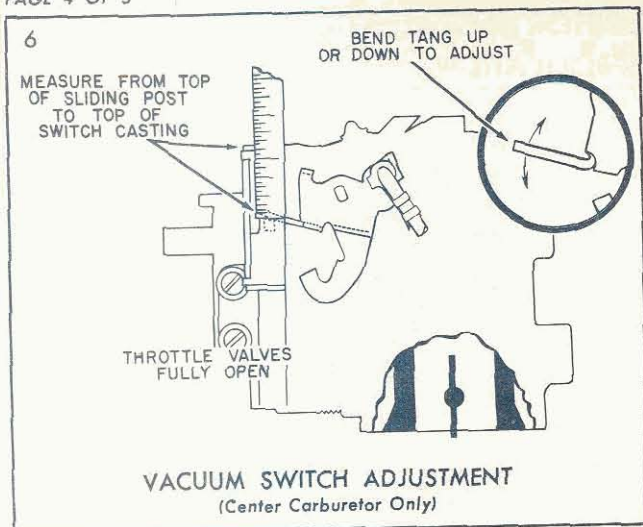
Tighten switch retaining screws.

2—With the sliding switch post still in the full "up" position, open throttle valves from closed position and make sure tang on switch return lever clears side of sliding switch post. To adjust, loosen switch retaining screws and move switch assembly away from tang on switch return lever.

SETTING— $15/16$ " , GAUGE BT-137

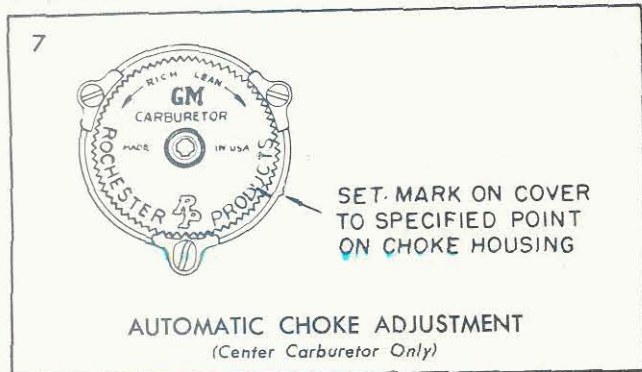
Loosen vacuum switch retaining screws and push switch assembly to full up position. Hold in place by tightening one screw. Back off fast and slow idle screws. With throttle valves held completely closed, check the distance from the top of pump housing on the air horn to top of pump rod with gauge, as shown. Lower edge of gauge leg marked "pump" should just touch top of pump rod.

Bend pump rod at lower angle, as shown to adjust.



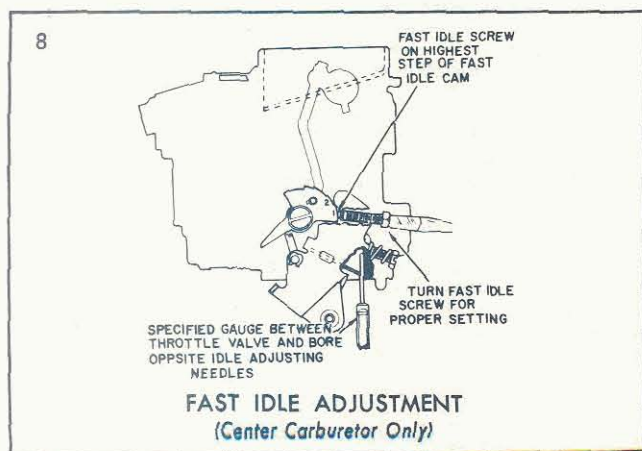
SETTING—1-1/8", SCALE

With throttle valves held wide open, measure the distance from the top of the vacuum switch housing to the sliding switch post, as shown. To adjust, bend tang on pump lever up or down to obtain required cut-in point for front and rear carburetors.



SETTING, 1 NOTCH LEAN

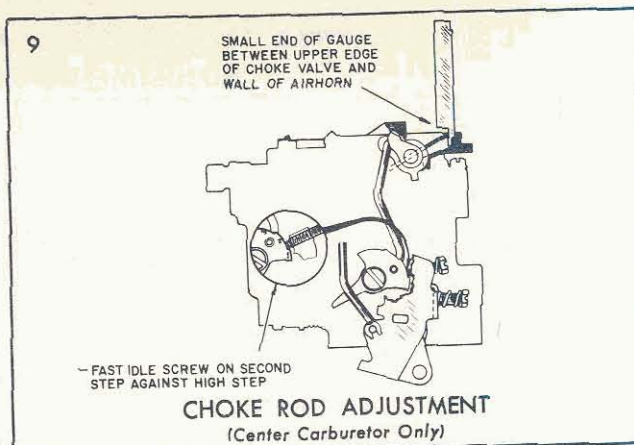
Loosen the three retaining screws and rotate the coil cover counter-clockwise against the coil tension until the index mark on the cover is in one notch lean position with the specified mark on the choke housing.



SETTING .024", GAUGE BT-90

With the choke valve closed and the fast idle screw resting on the high step of the fast idle cam, place gauge between the throttle valve and bore opposite the idle needles. Turn the fast idle screw in until gauge just drops out.

Note: This is a preliminary adjustment; final adjustment should be made on the car with the engine running. Fast idle 1500 RPM.



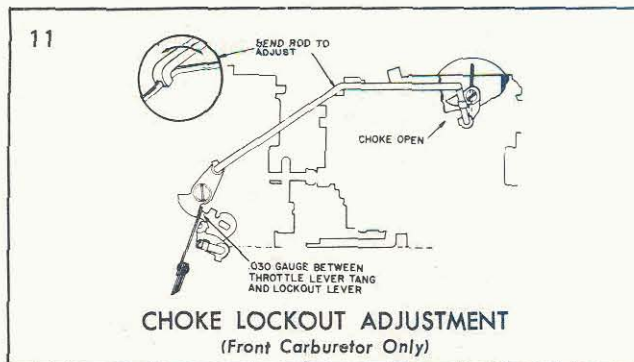
SETTING .040", GAUGE BT-110

Place the fast idle screw on the second step of the fast idle cam next to the high step. Make sure choke trip lever is in contact with the choke counterweight lever. Bend counterweight tang as shown so that gauge just fits between the upper edge of the choke valve and air horn wall.



SETTING .140", GAUGE BT-110

With the throttle valves held wide open the choke valve should be open just enough to admit the large end of gauge between the upper edge of the choke valve and inner air horn wall. Bend the tang on the throttle lever with Bending Tool BT-69 as shown, to adjust.



SETTING .030", USE FEELER GAUGE

This adjustment is necessary to locate the lockout lever on the front carburetor in the proper position so that only the center carburetor will operate during choke operation. This adjustment must be made with the carburetor installed on the engine and the lockout linkage installed as shown.

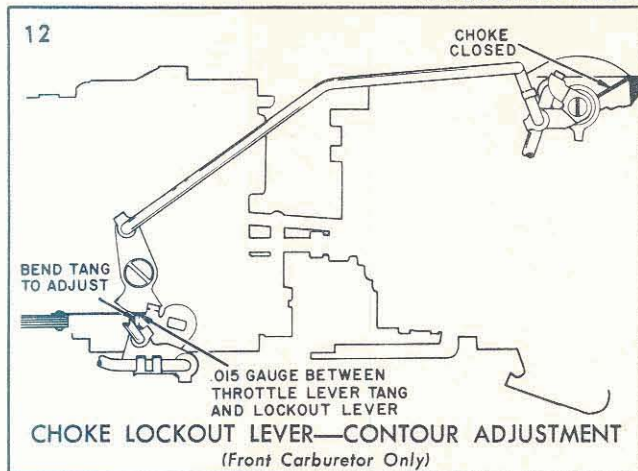
To adjust hold the choke valve (center carburetor) in the wide open position. With the throttle valves slightly open on the front carburetor there should be a clearance of .030" between the lockout lever and the throttle lever on the front carburetor as shown. Measure clearance with a feeler gauge and bend the lockout rod with Bending Tool BT-18 to adjust.

Rochester Carburetors 1958 OLDSMOBILE TRIPLE TWO-BARREL CARBURETOR INSTALLATION ADJUSTMENTS AND SPECIFICATIONS

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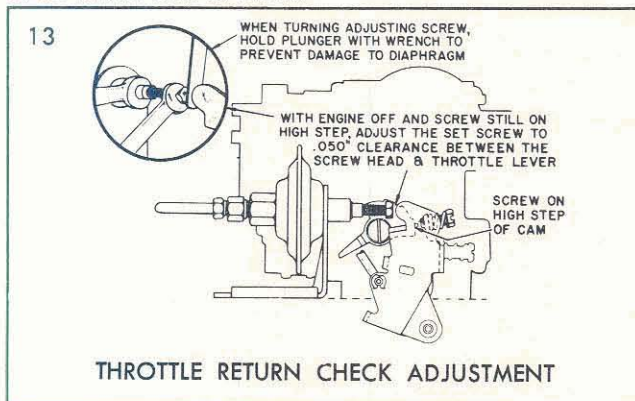
DATE: 10/15/57



SETTING .015", USE FEELER GAUGE

This adjustment is necessary to maintain the proper clearance between the contour portion of the lockout lever and the lockout tang on the throttle lever.

To adjust hold the throttle valves (front carburetor) completely closed. With the choke valve on the center carburetor in the closed position and the choke lockout lever rod connected, bend the lockout tang on the throttle lever (front carburetor) to obtain .015" clearance between the lockout lever and tang on the throttle lever as shown.

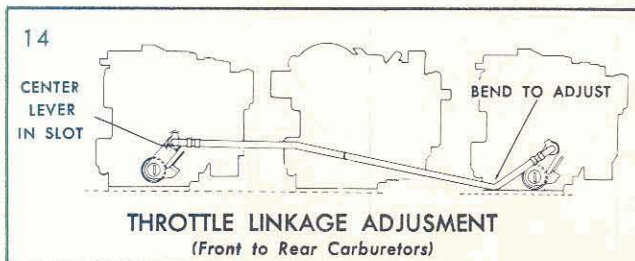


THROTTLE RETURN CHECK ADJUSTMENT

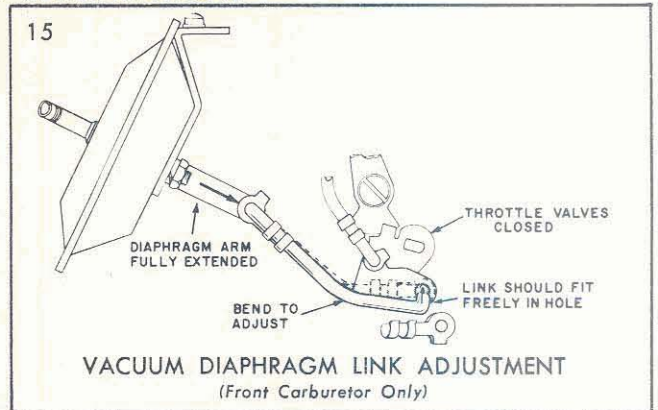
SETTING .050" USE FEELER GAUGE

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1500 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.



Disconnect rear end of throttle actuating rod which connects the throttle levers on the front and rear carburetors together. With both the throttle valves closed on the front and rear carburetors the rod should center in the slot in the throttle lever on the rear carburetor. Bend the throttle rod with Bending Tool BT-18 to adjust. Connect throttle rod after adjustment.



With the throttle valves closed and the arm on the vacuum diaphragm in the fully extended position, bend the vacuum unit actuating link — if necessary so that it fits freely into the hole in the throttle lever.

QUICK REFERENCE SPECIFICATIONS

Carburetor No.	FRONT	CENTER	REAR
	7011712	7011713	7011714
Small Venturi	1/8"	1/8"	1/8"
Large Venturi	1 1/4"	1 1/4"	1 1/4"
Main Metering Jets	.065	.059	.065
Idle Needle Holes	—	.046	—
Sec.	Lower	.027	—
Discharge	Middle	.026	—
	Upper	.030	—
Spark Drillings	—	—	—
Pump Jets	.030	.030	.030
Power Restrictions	—	.053	—
Choke	Channel	.089	—
	By-Pass	—	—
Restrictions	—	—	—
Idle Tube Restriction	—	.032	—

Spark Plug Gap — .030"

Breaker Point Gap — .016"

Cam Dwell — 30°

Ignition Timing 5° BTDC

@ 850 R.P.M. Dist. Vac. Line Disconnected

Idling R.P.M. — H.T. 460 Dr.

Syn. 460 Neut.

Fast Idle — 1500 R.P.M.

TUNE-UP

Adjustments	FRONT	CENTER	REAR	Gauge No.
	7011712	7011713	7011714	
Float Level	1-25/64"	1-25/64"	1-25/64"	BT-137
Float Drop	1-29/32"	1-29/32"	1-29/32"	BT-137
Pump Rod	15/16"	15/16"	15/16"	BT-137
Idle Vent	—	13/16"	—	BT-137
Vacuum Switch	—	1 1/8"	—	Scale
Automatic Choke	—	1 - N.L.	—	—
Fast Idle	—	.024	—	BT-90
Choke Rod	—	.040	—	BT-110
Unloader	—	.140	—	BT-110
Choke Lockout	.030	—	—	Feeler Gauge
Choke Contour	.015	—	—	Feeler Gauge
Throttle Ret. Check	—	.050	—	Feeler Gauge

Rochester Carburetors

MODEL 2GC

1959-1961 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH

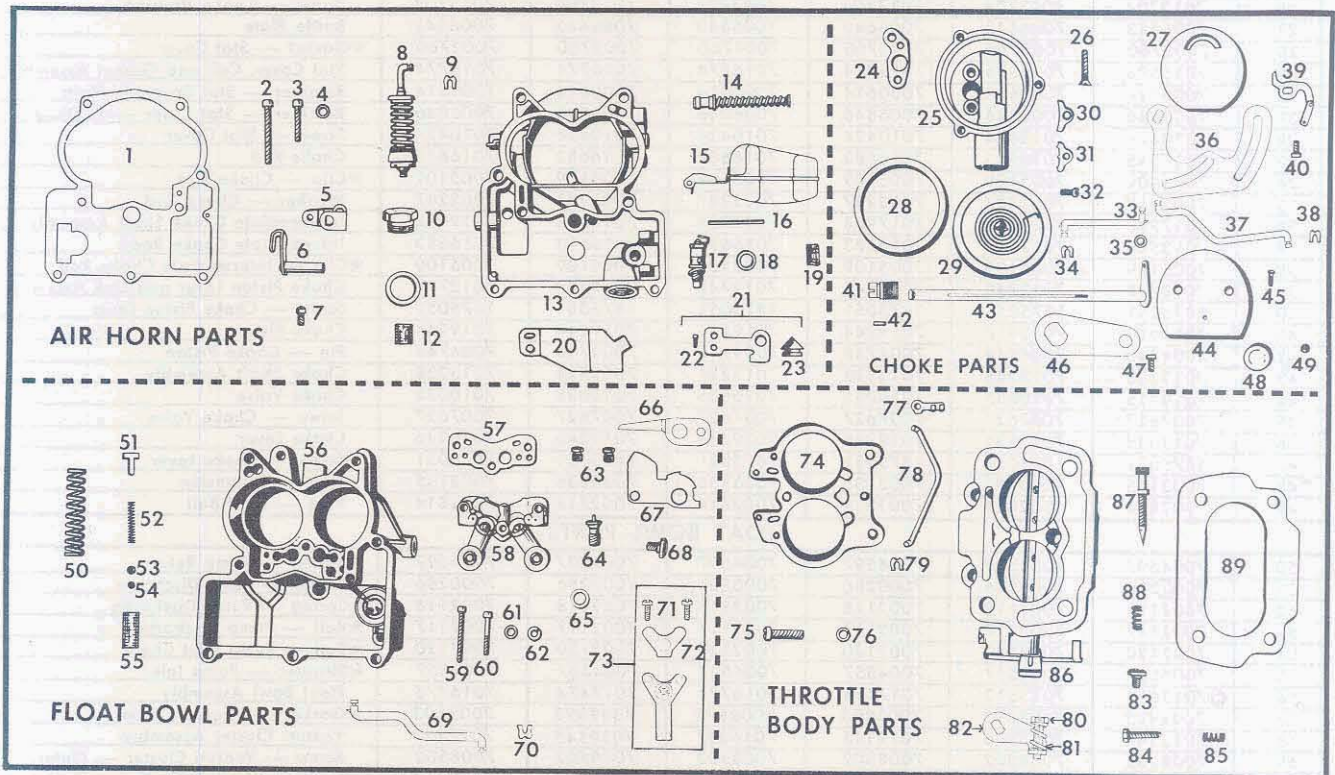
BULLETIN 9C-514

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DATE: MAY, 1961

REPLACES:

9C-514, OCT., 1959



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

ILLUS. NO.	1959		1960		1961		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	STANDARD	AIR COND.	
	7013052	7013058	7015052	7015058	7019052	7019058	APPLICATION
	7015915	7015915	7016005	7016005	7016106	7016106	Carburetor No.
	7016020	7016020	7016020	7016020	7016135	7016135	Replacement Package No.
	TR-507	TR-507	TR-507	TR-507	TR-509	TR-509	OVERHAUL KIT
	7016040	7016040	7016040	7016040	7016040	7016040	OFF KAR KIT
	7015977	7015978	---	---	---	---	GASKET KIT
							ALTITUDE KIT
	AIR HORN PARTS						
1	7015128	7015128	7015128	7015128	7015128	7015128	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	7000266	7000266	Pump Lever — Inside
6	7006975	7006975	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7010424	7010424	7010424	7010424	7010424	7010424	Screw — Pump Lever
8	7016475	7016475	7016475	7016475	7016475	7016475	★Pump Assembly
9	7005032	7005032	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
10	7002862	7002862	7002862	7002862	7002862	7002862	Strainer Nut
11	7001597	7001597	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
12	7000261	7000261	7000261	7000261	7000261	7000261	★Strainer — Fuel Inlet
13	7016772	7016772	7016772	7016772	7016772	7016772	Air Horn Assembly
14	7006011	7006011	7006011	7006011	7006011	7006011	Power Piston Assembly
15	7012028	7012028	7012028	7012028	7020310	7020310	Float Assembly
16	7010037	7010037	7010037	7010037	7010037	7010037	Pin — Float Hinge
17	7012253	7012253	7019932	7019932	7019932	7019932	★Needle and Seat Assembly
18	7001613	7001613	7001613	7001613	7001613	7001613	★Gasket — Needle Seat
19	7006079	7006079	---	---	---	---	★Strainer — Needle Seat
20	7012835	7012835	7012835	7012835	7012835	7012835	Shield — Idle Valve Kit
21	7012252	7012252	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
22	7012548	7012548	7012548	7012548	7012548	7012548	Screw — Idle Vent and Shield
23	7007129	7007129	7007129	7007129	7007129	7007129	Idle Vent Valve

★ OVERHAUL KIT CONTENTS

PRINTED IN CANADA

Illus No.	1959		1960		1961		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7013052	7013058	7015052	7015058	7019052	7019058	CARBURETOR No.
CHOKE PARTS							
24	7013995	7013995	7013995	7013995	7013995	7013995	★Gasket — Choke Housing
25	7013540	7013540	7013540	7013540	7013540	7013540	Choke Housing Assembly
26	7013704	7013704	7013704	7013704	7013704	7013704	Screw — Choke Housing
27	7006643	7006643	7006643	7006643	7006643	7006643	Baffle Plate
28	7002760	7002760	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
29	7015596	7015596	7016774	7016774	7016774	7016774	Stat Cover, Coil and Gasket Assembly
30	7000614	7000614	7000614	7000614	7000614	7000614	Retainer — Stat Cover — Plain
31	7006846	7006846	7006846	7006846	7006846	7006846	Retainer — Stat Cover — Toothed
32	7010424	7010424	7010424	7010424	7010424	7010424	Screw — Stat Cover
33	7013545	7013545	7016682	7016682	7016682	7016682	Choke Rod
34	7005109	7005109	7005109	7005109	7005109	7005109	★Clip — Choke Rod
35	7002287	7002287	7002287	7002287	7002287	7002287	Washer — Choke Rod
36	7017988	7017988	7017988	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
37	7013546	7013546	7016683	7016683	7016683	7016683	Intermediate Choke Rod
38	7005109	7005109	7005109	7005109	7005109	7005109	★Clip — Intermediate Choke Rod
39	7012748	7012748	7012748	7012748	7012748	7012748	Choke Piston Lever and Link Assembly
40	1875051	1875051	1875051	1875051	1875051	1875051	Screw — Choke Piston Lever
41	7013916	7013916	7019244	7019244	7019244	7019244	Choke Piston
42	7004748	7004748	7004748	7004748	7004748	7004748	Pin — Choke Piston
43	7013228	7013228	7013228	7013228	7013228	7013228	Choke Shaft Assembly
44	7010035	7010035	7010035	7010035	7010035	7010035	Choke Valve
45	7007627	7007627	7007627	7007627	7007627	7007627	Screw — Choke Valve
46	7013535	7013535	7019246	7019246	7019246	7019246	Choke Lever
47	1875051	1875051	1875051	1875051	1875051	1875051	Screw — Choke Lever
48	7003135	7003135	7003135	7003135	7003135	7003135	Plug — Expansion
49	7002814	7002814	7002814	7002814	7002814	7002814	Plug — Lead Ball

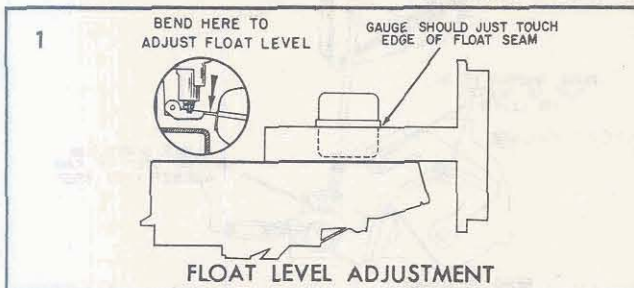
FLOAT BOWL PARTS							
50	7004597	7004597	7004597	7004597	7004597	7004597	★Spring — Pump Return
51	7000286	7000286	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
52	7002118	7002118	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
53	7002117	7002117	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
54	7002120	7002120	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
55	7004557	7004557	7004557	7004557	7004557	7004557	★Strainer — Pump Inlet
56	7013612	7013612	7017474	7017474	7017474	7016775	Float Bowl Assembly
57	7008893	7008893	7008893	7008893	7008893	7008893	★Gasket — Venturi Cluster
58	7015344	7013396	7019145	7016267	7019145	7016267	Venturi Cluster Assembly
59	7008502	7008502	7008502	7008502	7008502	7008502	Screw — Venturi Cluster — Outer
60	7009077	7009077	7009077	7009077	7009077	7009077	Screw — Venturi Cluster — Center
61	7008892	7008892	7008892	7008892	7008892	7008892	★Gasket — Center Screw
62	120217	120217	120217	120217	120217	120217	Lockwasher — Outer Screws
63	7002663	7008663	7008662	7008664	7008662	7008664	Jet — Standard
64	7011989	7011989	7011989	7011989	7011989	7011989	★Power Valve Assembly
65	7011990	7011990	7011990	7011990	7011990	7011990	★Gasket — Power Valve
66	7013536	7013536	7013536	7013536	7013536	7013536	Lever — Choke Unloader
67	7016681	7016681	7016681	7016681	7016681	7016681	Cam — Fast Idle
68	7003561	7003561	7003561	7003561	7003561	7003561	Screw — Cam and Unloader Levers
69	7013547	7013547	7013547	7013547	7013547	7013547	Rod — Choke Unloader
70	7005032	7005032	7005032	7005032	7005032	7005032	★Clip — Unloader Rod
71	—	7015127	—	7015127	—	7015127	Screw — Idle Compensator
72	—	7013341	—	7013341	—	7013341	★Gasket — Idle Compensator
73	—	7013527	—	7013527	—	7013527	Idle Compensator Kit

THROTTLE BODY PARTS							
74	7015106	7015106	7015106	7015106	7015106	7015106	★Gasket — Throttle Body
75	7015105	7015105	7015105	7015105	7015105	7015105	Screw — Throttle Body
76	121744	121744	121744	121744	121744	121744	Lockwasher — Throttle Body
77	7003242	7003242	7003242	7003242	7003242	7003242	★Clip — Pump Rod — Upper
78	7013192	7013192	7013192	7013192	7013192	7013192	Pump Rod
79	7005032	7005032	7005032	7005032	7005032	7005032	★Clip — Pump Rod — Lower
80	7007236	7007236	7007236	7007236	7007236	7007236	Fast Idle Screw
81	7001690	7001690	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
82	7013538	7013538	7013538	7013538	7013538	7013538	Fast Idle Lever Assembly
83	7010435	7010435	7010435	7010435	7010435	7010435	Screw — Fast Idle Lever Attaching
84	7001619	7001619	7001619	7001619	7001619	7001619	Idle Stop Screw
85	7003176	7003176	7003176	7003176	7003176	7003176	Spring — Idle Stop Screw
86	7013613	7013613	7017446	7016776	7017446	7016776	Throttle Body Assembly
87	7013116	7013116	7013116	7013116	7013116	7013116	★Idle Needle
88	7011479	7011479	7011479	7011479	7011479	7011479	Spring — Idle Needle
89	578912	578912	578912	578912	578912	578912	★Flange Gasket (See Note)

THROTTLE RETURN CHECK PARTS	
575744	Throttle Return Check Assembly
7003234	Contact Screw

★ OVERHAUL KIT CONTENTS

NOTE: 2 PER CARBURETOR ON 1959-60. 1 PER CARBURETOR ON 1961.



1959-61 SETTING 11/16", GAUGE BT-179

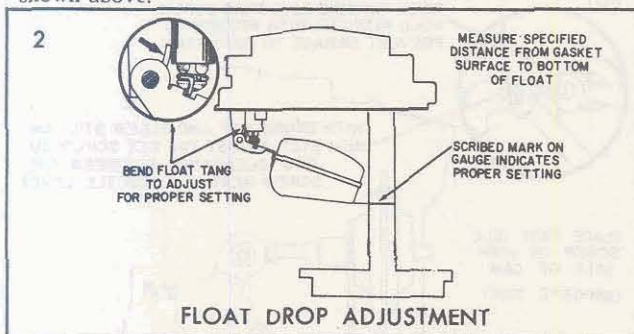
*1961 CHG. "B" SETTING—1/2", GAUGE BT-197

With air horn inverted and air horn gasket installed, the dimension from the air horn gasket to the lower edge (sharp edge) of the float seam at the outer end of the float pontoon at toe, should be as shown above.

Place edge of gauge across air horn gasket at outer end of float, as shown. The lower edge (sharp edge) of the seam on the float pontoon should just touch gauge.

To adjust, bend the float arm at rear, as shown.

*NOTE: 1961 Carburetors, code tagged change "B" and later on the Identification Tag should be set to 1/2" dimension, shown above.

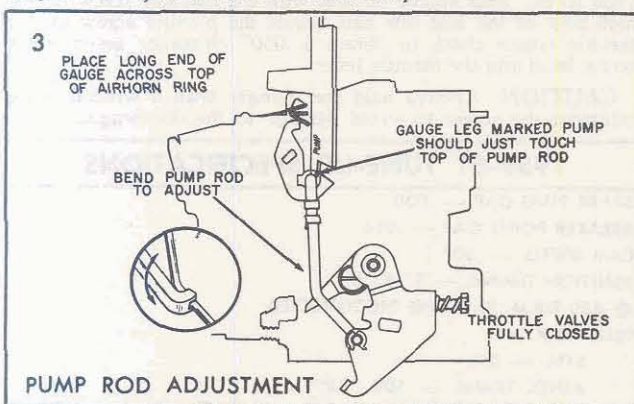


SETTING 1-3/4", GAUGE BT-179 OR BT-197

With the air horn upright and gasket in place, measure the distance from the gasket to the bottom of the float pontoon. Setting should be; minimum, 1-3/4" — maximum, float needle must not wedge in needle seat.

Drop may be measured with a scale or combination gauge as shown.

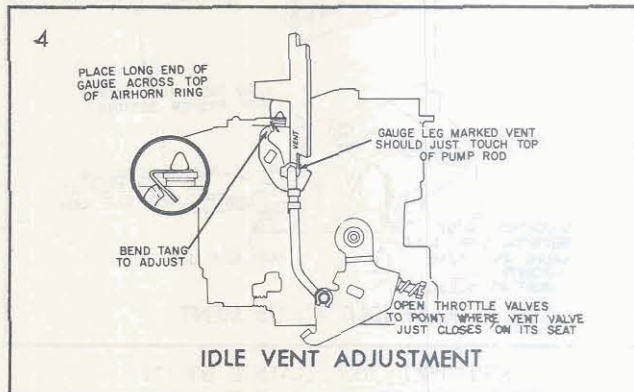
Bend the float tang to adjust; toward needle seat to lessen drop and away from seat to increase drop.



SETTING 1-7/16", GAUGE BT-179 OR BT-197

Back out fast and slow idle screws and completely close throttle valves in bore. Place combination float, pump and idle vent gauge on the top of carburetor air horn ring as shown, with leg marked "pump" pointing downward towards pump rod. The lower edge of gauge leg marked "pump" should just touch top of pump rod.

Bend the lower end of pump rod, as shown, to obtain the proper setting.

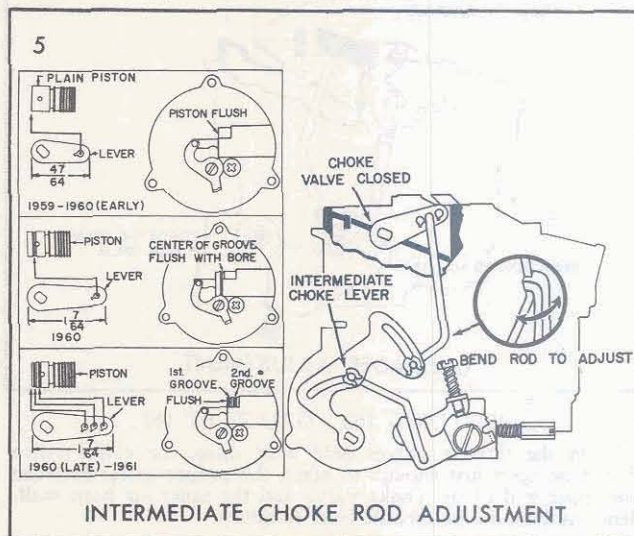


SETTING 1-11/32" GAUGE BT-179 OR BT-197

NOTE: Always make pump rod adjustment first. Place combination float, pump and idle vent gauge on top of carburetor air horn ring, as shown, with leg of gauge marked "vent" pointing downward toward pump rod, as shown.

With the gauge held in this position, slowly open throttle valves to the point where the rubber vent valve just closes on its seat. The lower edge of the gauge leg marked "vent" should just touch the top of the pump rod, as shown.

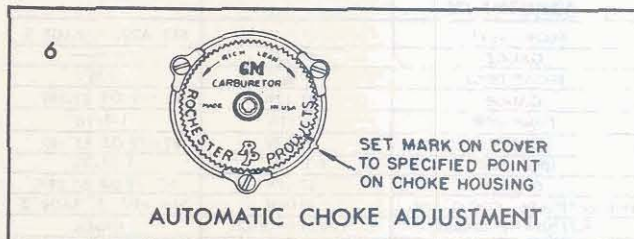
Bend the tang on the pump lever as shown, to adjust.



INTERMEDIATE CHOKE ROD ADJUSTMENT

1959-61 SETTING — SEE ABOVE

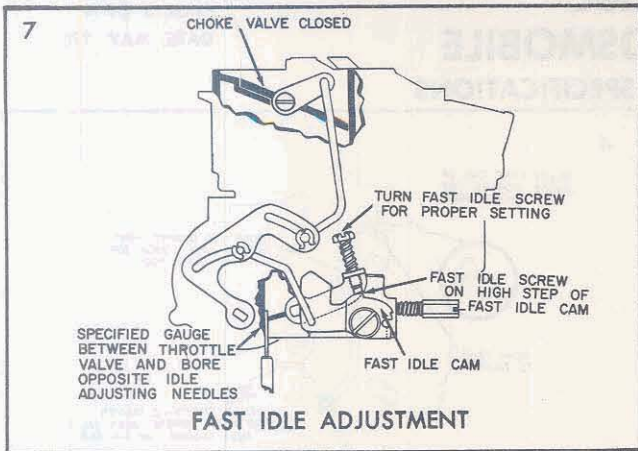
Remove the thermostatic cover and coil assembly and inside baffle plate. Open throttle valves and hold choke valve completely closed by pushing upward on intermediate choke lever. Adjust intermediate choke rod as necessary by bending so that choke piston is in the location shown above.



1959 SETTING—1 NOTCH RICH

1960-61 SETTING—INDEX

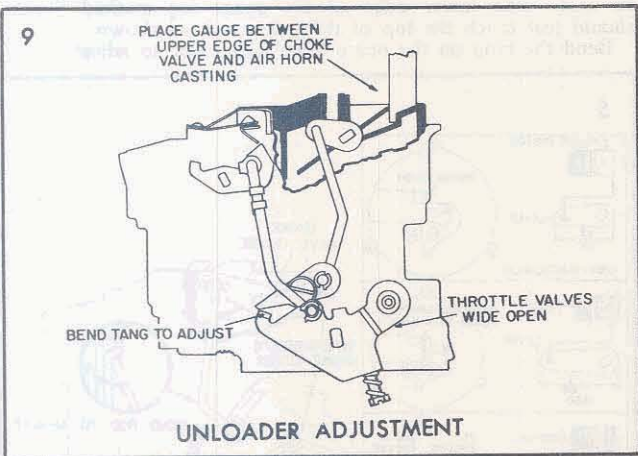
Loosen the three retaining screws and rotate the choke cover counter-clockwise against coil tension until the index mark is in the proper position with the index point on the choke housing. At room temperature the choke valve should be lightly closed.



SETTING—.030", GAUGE BT-121

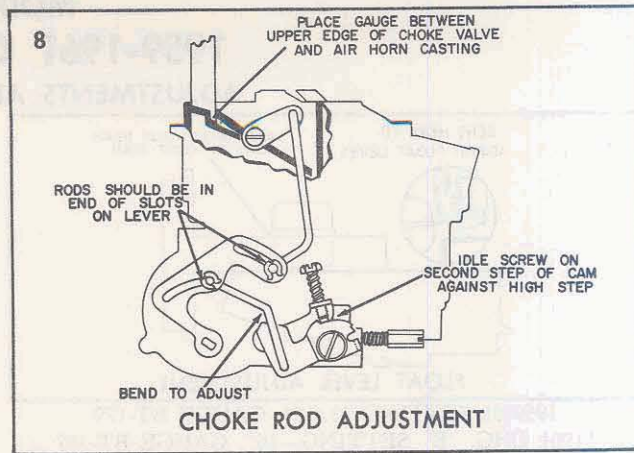
With the choke valve closed and the fast idle screw on the high step of the fast idle cam, place specified gauge between the throttle valve and bore opposite the idle needles. Turn the fast idle screw until gauge just drops out.

NOTE: This is a preliminary adjustment; final adjustment should be made with a tachometer and the engine running. Setting 1900 R.P.M. with fast idle screw on high step of fast idle cam.



SETTING—.163", GAUGE BT-162

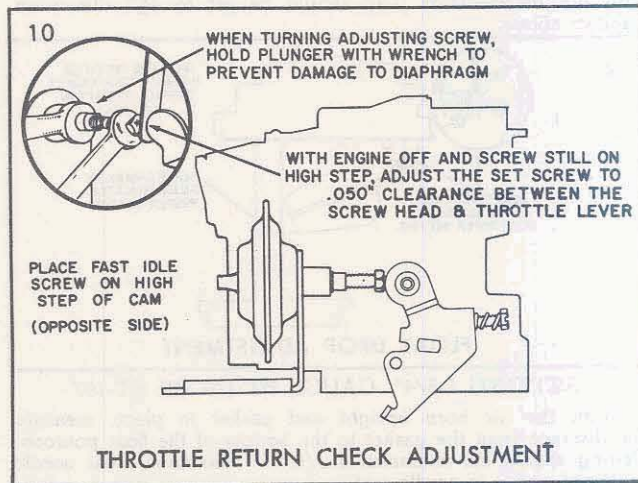
With the throttle valves held wide open, the choke valve should be open just enough to admit the proper gauge between the upper end of the choke valve and the inner air horn wall. Bend the tang on the throttle lever to adjust.



SETTING—.150" GAUGE BT-159

Place fast idle screw on the second step of the fast idle cam next to the high step as shown. Make sure intermediate choke rod and choke rod are in the ends of slots in the intermediate choke lever by pushing upward on lever.

Bend the choke rod until the proper gauge will just fit between the upper edge of the choke valve and air horn wall, as shown.



SETTING .050" USE FEELER GAUGE

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1900 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

QUICK REFERENCE SPECIFICATIONS

YEAR	1959	1960-61
CARBURETOR NO.	7013052 7013058	7019052 7015052 7019058 7015058
ADJUSTMENTS		
FLOAT LEVEL	11/16"	SEE ADJ. 1, PAGE 3
GAUGE	BT-179	
FLOAT DROP	1 3/4"	1 3/4"
GAUGE	BT-179	BT-179 OR BT-197
PUMP ROD	1-7/16"	1-7/16"
GAUGE	BT-179	BT-179 OR BT-197
IDLE VENT	1-11/32"	1-11/32"
GAUGE	BT-179	BT-179 OR BT-197
INTERMEDIATE CHOKE ROD	FLUSH	SEE ADJ. 5, PAGE 3
AUTOMATIC CHOKE	1-NOTCH RICH	INDEX
FAST IDLE	.030	.030
GAUGE	BT-121	BT-121
CHOKE ROD	.150	.150
GAUGE	BT-159	BT-159
UNLOADER	.163	.163
GAUGE	BT-162	BT-162
THROTTLE RETURN CHECK	.050	.050
GAUGE	FEELER	FEELER

1959-61 TUNE-UP SPECIFICATIONS

- SPARK PLUG GAP — .030
- BREAKER POINT GAP — .016
- CAM DWELL — 30°
- IGNITION TIMING — 5° B.T.D.C.
- @ 850 R.P.M. VAC. LINE DISCONNECTED
- IDLE R.P.M. —
- SYN. — 550
- AUTO. TRANS. — 500 "DR"
- AIR COND. — Compensator Valve held Closed, Air Conditioning "OFF", A.T. in "DR".
- Without idle compensator, set idle with Air Cond. "ON."
- FAST IDLE — 1900 R.P.M.

NOTE: For complete carburetor specification, refer to 9D-1 Section of the Parts and Service Manual.

Refer to Bulletin 9D-10 for basic operation and overhaul procedures.



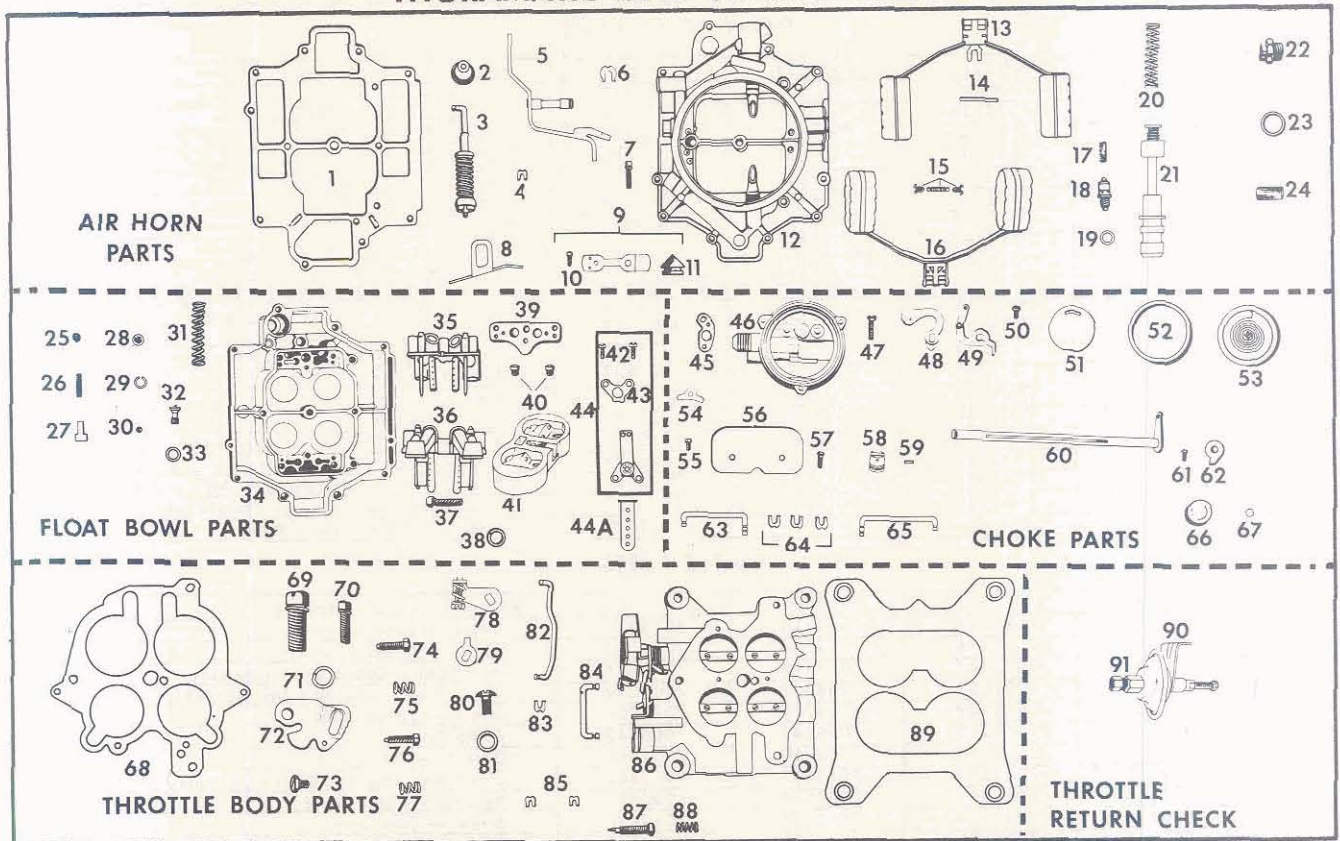
Delco Rochester

MODEL 4GC CARBURETORS

1959-1962 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH

BULLETIN 9C-515
 PAGE 1 OF 6
 DATE: OCTOBER, 1961
 REPLACES:
 9C-515 DATED
 OCTOBER, 1960



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

EARLY—1959	LATE—'59-'60	1961	1962	APPLICATION
7013050	7013950	7019050	7020950	STANDARD CARBURETOR No.
7013150	7013952	7019054	7020955	AIR CONDITIONED CARBURETOR No.
7015983	7015983	7016107	7016217	REPLACEMENT PACKAGE No.
7015934	7015934	7015934	7015934	OVERHAUL KIT
FR-504	FR-504	FR-504	FR-504	OK KIT
7015954	7015954	7015954	7015954	GASKET KIT
7015979	7015979	7015979	—	ALTITUDE KIT

Illus. No.	AIR HORN PARTS				
1	7015136	7015136	7015136	7015136	★Gasket — Air Horn
2	7006372	7006372	7006372	7006372	★Boot — Pump Plunger
3	7013472	7013472	7013472	7013472	★Pump Assembly
4	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
5	7013430	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	7007616	★Clip — Pump Shaft
7	7000249	7000249	7000249	7000249	Screw — Air Horn
8	7012520	7012520	7012520	7012520	Shield — Idle Vent Valve
9	7012188	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	7012548	Screw — Idle Vent Valve
11	7007129	7007129	7007129	7007129	Idle Vent Valve
12	7015172	7015172	7019645	7019645	Air Horn Assembly
13	7011945	7011945	7011945	7011945	Primary Float Assembly
14	7001595	7001595	7001595	7001595	Pin — Float Hinge
15	7001850	7001850	7001850	7001850	★Float Balance Spring Assembly (Secondary Only)
16	7012148	7012148	7012148	7012148	Secondary Float Assembly
17	7006079	7006079	7006079	7006079	★Strainer — Needle Seat
18	7012207	7012207	7012207	7012207	★Needle and Seat Assembly — Primary
18	7012144	7012144	7012144	7012144	★Needle and Seat Assembly — Secondary
19	7001613	7001613	7001613	7001613	★Gasket — Needle Seat
20	7011957	7011957	7011957	7011957	Spring — Power Piston
21	7011947	7011947	7011947	7011947	Power Piston Assembly
22	7002862	7002862	7002862	7002862	Strainer Nut
23	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
24	7003083	7003083	7003083	7003083	★Strainer — Fuel Inlet

★ OVERHAUL KIT CONTENTS

PRINTED IN CANADA

	EARLY—1959	LATE—'59-'60	1961	1962	APPLICATION
	7013050	7013950	7019050	7020950	STANDARD CARBURETOR No.
	7013150	7013952	7019054	7020955	AIR CONDITIONED CARBURETOR No.

Illus. No.	FLOAT BOWL PARTS				
25	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
26	7006059	7006059	7006059	7006059	★Spring — Pump Discharge
27	7003838	7003838	7003838	7003838	★Guide — Pump Discharge
28	7001604	7001604	7001604	7001604	★Strainer — Pump Inlet
29	7001605	7001605	7001605	7001605	★Retainer — Inlet Strainer
30	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
31	7008694	7008694	7008694	7008694	★Spring — Pump Return
32	7011994	7011994	7011994	7010918	★Power Valve Assembly
33	7012488	7012488	7012488	7012488	★Gasket — Power Valve
34	7013601	7013601	7013601	7021658	Float Bowl Assembly
35	7013785	7013785	7013785	7021214	Venturi Cluster Assembly — Primary
36	7013475	7013475	7013475	7013475	Venturi Cluster Assembly — Secondary
37	7010421	7010421	7010421	7010421	Screw — Cluster Attaching
38	121841	121841	121841	121841	Lockwasher — Cluster Screws
39	7007803	7007803	7007803	7007803	★Gasket — Venturi Clusters
40	7002656	7002656	7002656	7001607	Jet — Primary
40	7008680	7008680	7008680	7008684	Jet — Secondary
41	7012578	7012578	7012578	7012578	Auxiliary — Throttle Valve Assembly
42	7015127	7015127	7015127	7015127	Screw — Idle Compensator (Air Cond. Carbs)
43	7013341	7013341	7013341	7013341	★Gasket — Idle Compensator (Air Cond. Carbs)
44	7013910	7013910	7013910	7013527	Idle Compensator Kit (Air Cond. Carbs)
44A	—	—	—	7021029	Insert — Main Well — Primary

CHOKE PARTS					
45	7007502	7007502	7007502	7007502	★Gasket — Choke Housing
46	7013224	7013224	7013224	7013224	Choke Housing Assembly
47	7019516	7019516	7019516	7019516	Screw — Choke Housing
48	7013447	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7009852	7009852	7009852	7009852	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	7019709	Screw — Piston Lever
51	7006643	7006643	7006643	7006643	Baffle Plate
52	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
53	7013602	7013602	7013602	7013602	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	7000614	Retainer — Stat Cover
55	7010424	7010424	7010424	7010424	Screw — Stat Cover
56	7000191	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	7007627	Screw — Choke Valve
58	7015332	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	7010746	Pin — Choke Piston
60	7013828	7013828	7013828	7013828	Choke Shaft Assembly
61	7019709	7019709	7019709	7019709	Screw — Trip Lever
62	7000196	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	7013853	Rod — Intermediate Choke
64	7005109	7005109	7005109	7005109	★Clip — Intermediate and Choke Rods
65	7013432	7013432	7013432	7013432	Rod — Choke
66	7003135	7003135	7003135	7003135	Plug — Expansion
67	7002814	7002814	7002814	7002814	Plug — Lead Ball

THROTTLE BODY PARTS					
68	7013478	7013478	7013478	7013478	★Gasket — Throttle Body
69	7004324	7004324	7004324	7004324	Screw — Throttle Body — Large
70	7015105	7015105	7015105	7015105	Screw — Throttle Body — Small
71	121744	121744	121744	121744	Lockwasher — Small Screws
72	7013433	7013433	7013433	7013433	Cam — Fast Idle
73	7003561	7003561	7003561	7003561	Screw — Cam Attaching
74	7011546	7011546	7011546	7011546	Fast Idle Screw
75	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
76	7001619	7002121	7002121	7002121	Idle Stop Screw
77	7001690	—	—	—	Spring — Idle Stop Screw
78	7013435	7013435	7013435	7013435	Fast Idle Lever Assembly
79	7013436	7013436	7013436	7013436	Lever — Secondary Lockout
80	7010435	7010435	7010435	7010435	Screw — Fast Idle and Secondary Lockout Levers
81	7010354	7010354	7010354	7010354	Washer—Spacer—Fast Idle and Sec. Lockout Levers
82	7013548	7015552	7015552	7015552	Rod — Pump
83	7005032	7005032	7005032	7005032	★Clip — Pump Rod
84	7000241	7000241	7000241	7000241	Link — Secondary Lever
85	7005032	7005032	7005032	7005032	★Clip — Secondary Lever Link
86	7015584	7015584	7015584	7021659	Throttle Body Assembly
87	7013116	7013116	7013116	7013116	★Idle Needle
88	7011479	7011479	7011479	7011479	Spring — Idle Needle
89	573280	573280	573280	573280	★Gasket — Flange

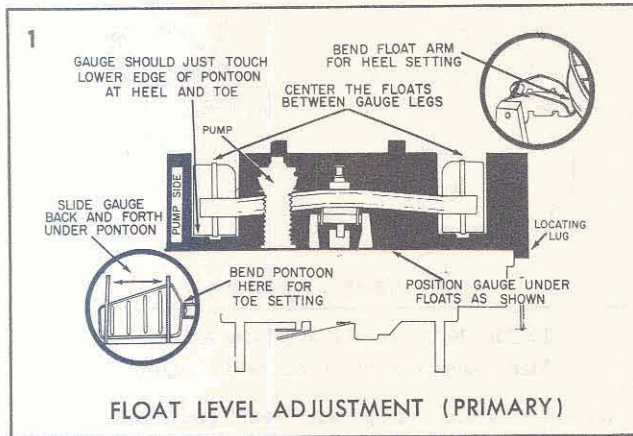
THROTTLE RETURN CHECK PARTS HYDRAMATIC					
90	577287	577287	577287	577287	Throttle Return Check Assembly
91	7006308	7006308	7006308	7006308	Contact Screw

Rochester Carburetors

MODEL 4GC 1959-62 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH ADJUSTMENTS AND SPECIFICATIONS

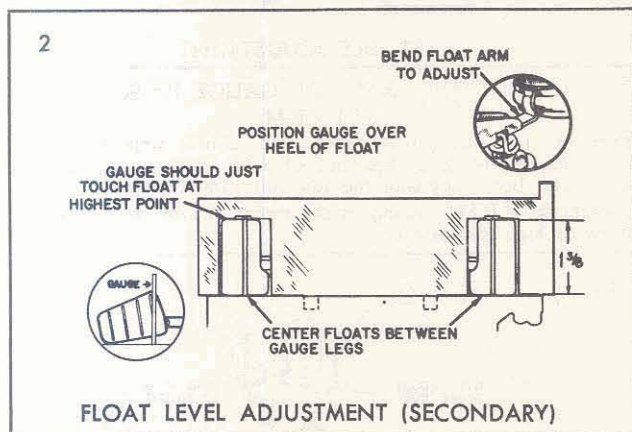
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DATE: OCTOBER, 1961



SETTING $9/32''$, GAUGE BT-171

NOTE: Pump side of gauge should always face pump assembly when checking float alignment.

With the air horn inverted and gasket in place, install the float level gauge under the heel of the primary float pontoons, as shown. With the gauge vertical, the pontoon surface should just touch the gauge. If the floats are too high or low, bend the float arms at rear, as shown, until pontoons just touch gauge. Slide the gauge under the toe of the pontoons, as shown. Again, the lower surface of pontoons should just touch gauge. Adjustments may be made by placing bending tool (BT-142) in place on arms, grasping the pontoon, and lightly bending the pontoon to just touch the gauge. The lower surface of the float should now be parallel with the air horn surface and the gauge should slide freely under pontoons. With the gauge still under floats, hold the lug on the lower surface of the gauge against the outside of the air horn casting. The pontoons should center in the cut-out section between the gauge legs. If alignment is needed, bend float arms horizontally until the pontoons are centered at heel and toe. Move float assembly from side at hinge pin and check to make sure floats do not rub sides of gauge legs.



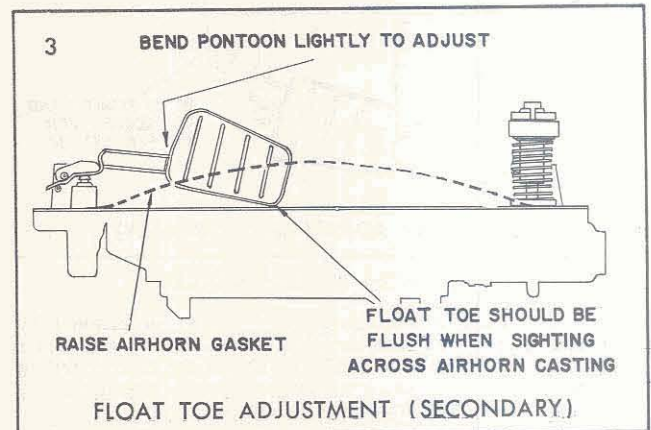
SETTING $1/8''$, GAUGE, BT-171

With the air horn inverted and gasket in place, position float gauge over the float heel (large end) as shown. Upper surface of pontoon should just touch gauge. Bend the float arm at rear at point shown to adjust.

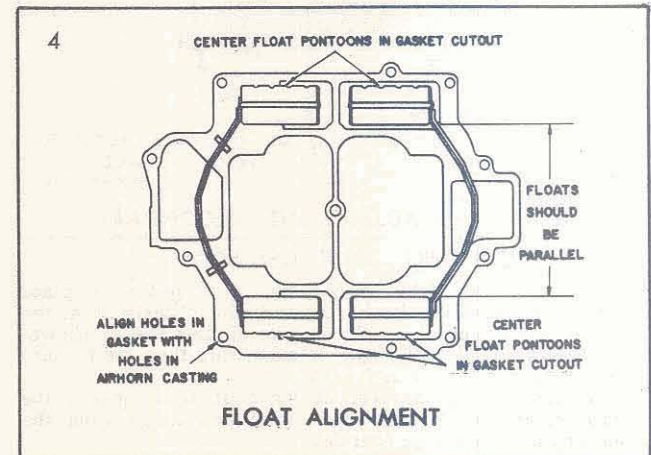
With the float gauge still positioned over the heel of the floats as above and centered in the air horn, each float pontoon should be centered between gauge legs. Bend the float arms at points shown to align.

Move float assembly from side to side at hinge pin to make sure pontoons do not rub sides of gauge legs.

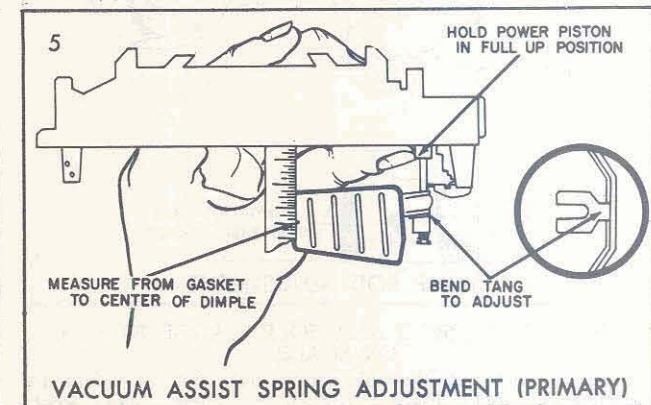
NOTE: Always hold power piston in "up" position.
To adjust, bend tang at center of float arms, as shown with Bending Tool BT-142.



With air horn inverted, raise gasket and sight across flat surface of casting. Lower edge at each float pontoon at toe must be flush with this surface. To adjust, grasp float pontoon and carefully bend arm close to float. CAUTION: After adjusting float toe, always recheck float level and adjustment.

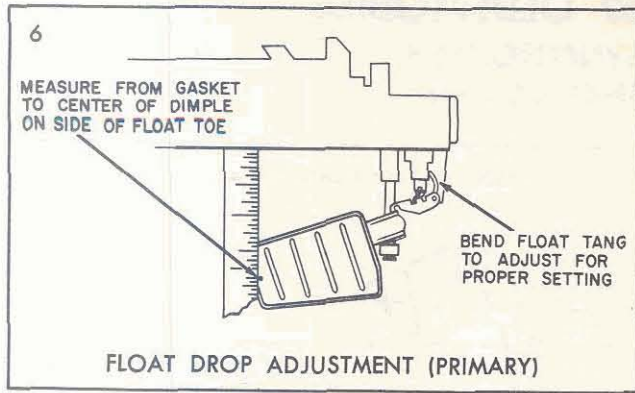


After centering floats recheck alignment by aligning screw holes in air horn gasket with screw holes in air horn. Then make sure float pontoons are centered in the cut-out sections of the gasket and the sides of the pontoons are parallel with the adjacent edges of the gasket.



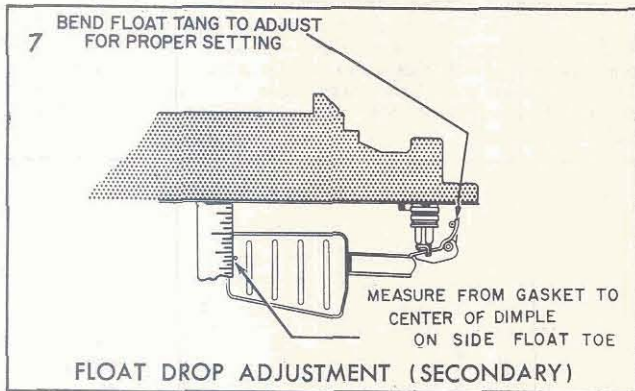
SETTING $1-3/64''$, USE SCALE

With the air horn held upright and level, as shown, hold the power piston in the full up position, with the thumb as shown. Jounce pontoon lightly to make sure the cup retainer on the vacuum assist spring is not binding on the power piston stem. Measure the distance from the gasket to the center of the dimple on the float pontoon at toe; it should be $1-3/64''$.



SETTING 1 1/2", USE SCALE

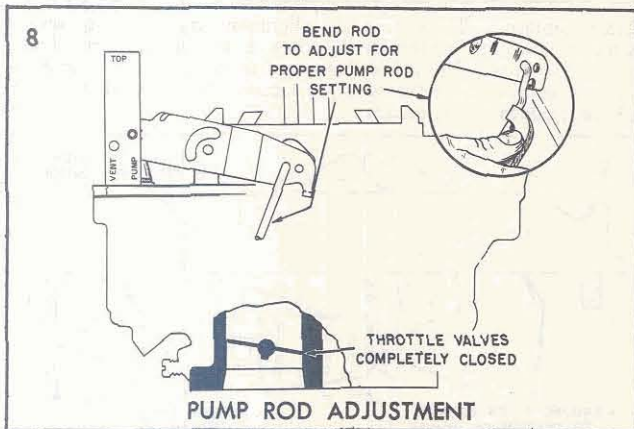
With the air horn held upright and the power piston fully extended, measure the distance from the gasket to the center of the dimple; it should be 1 1/2". To obtain the correct setting bend the tang at the rear float hanger towards needle seat to lessen drop and away from seat to increase drop.



SETTING 1-5/16", USE SCALE

With the air horn held upright and level, gasket in place and the floats hanging freely, measure the distance from the gasket to the center of dimple on side of float toe, as shown. Jounce floats lightly with finger to make sure they are in fully settled position. Dimension 1-5/16".

Bend the tang at the rear of the float arms, against the balance spring to decrease float drop and away from the balance spring to increase float drop.

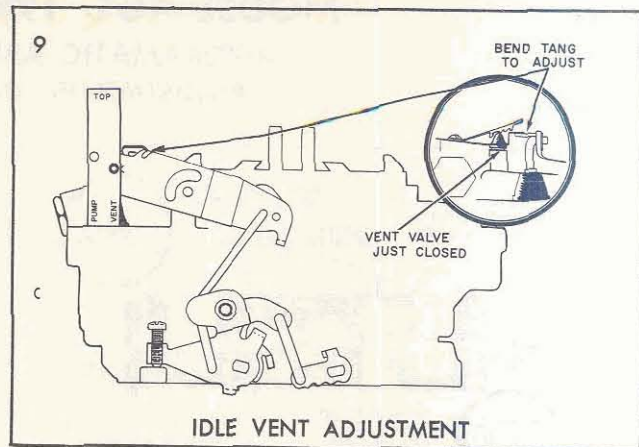


SETTING 1-1/64" INNER HOLE, GAUGE BT-166A OR SCALE

Back out fast and slow idle screws until throttle valves are completely closed. Place combination "pump" and "vent" gauge on top of air horn next to pump plunger, as shown. With the throttle valves closed and lower edge of gauge resting on top of air horn, the pump plunger shaft should slide freely into hole of gauge marked "pump".

NOTE: When using a scale, measure from air horn casting to bottom of pump plunger rod.

Bend the pump rod with Bending Tool BT-18 as shown to adjust.



SETTING 29/32". GAUGE BT-166A OR SCALE

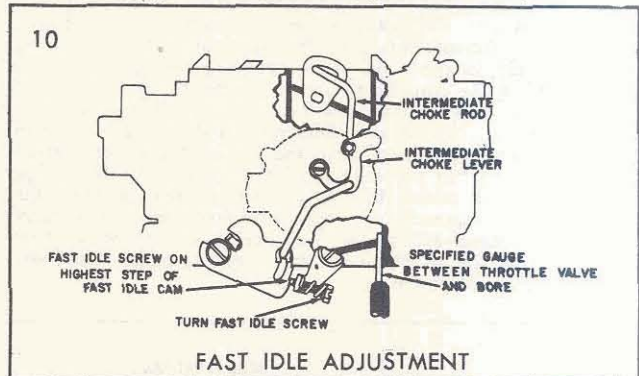
Note: Make pump rod adjustment before adjusting idle vent valve.

Place combination "pump" and "vent" gauge on top of air horn with side marked "vent" next to pump plunger shaft, as shown.

Open throttle valves to point where the vent valve is just closed. With the throttle valves held in this position, the hole marked "vent" on the gauge should slide freely over pump plunger shaft.

NOTE: When using a scale, measure from air horn casting to bottom of pump plunger rod.

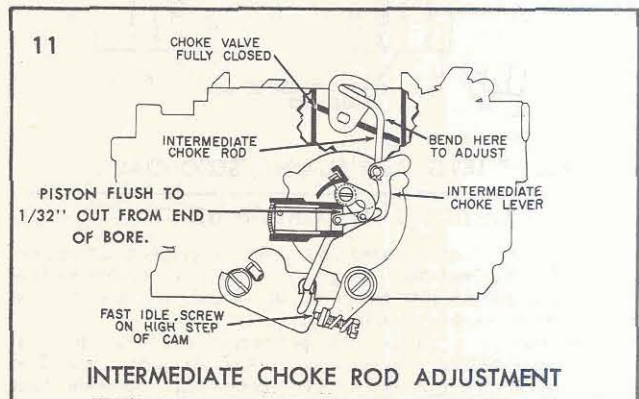
Bend the tang on the pump lever, as shown to adjust.



SETTING .024", USE GAUGE BT-90 1600 R.P.M.

Turn the fast idle screw against the highest step of the fast idle cam, to obtain a clearance of .024" between the throttle valve and bore, opposite the idle adjusting needles.

Recheck R.P.M. setting with engine warm and fast idle screw on high step of cam.



USE BENDING TOOL BT-18

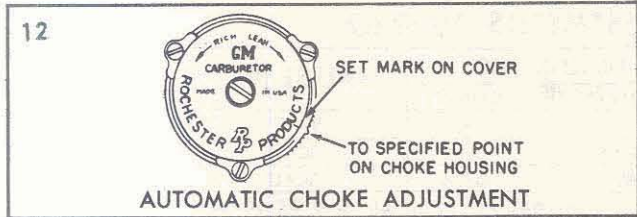
Place fast idle screw on the high step of the fast idle cam and raise the intermediate choke lever to its full up position. Be sure all lash is removed from rods in slots. The choke piston should be flush to 1/32" out from end of the choke piston bore.

Bend the intermediate choke rod to correctly position the choke piston.

Delco Rochester

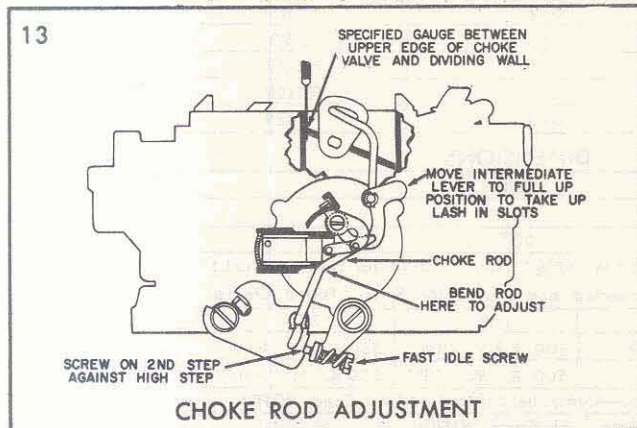
MODEL 4GC 1959-62 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH ADJUSTMENTS AND SPECIFICATIONS



SETTING—INDEX

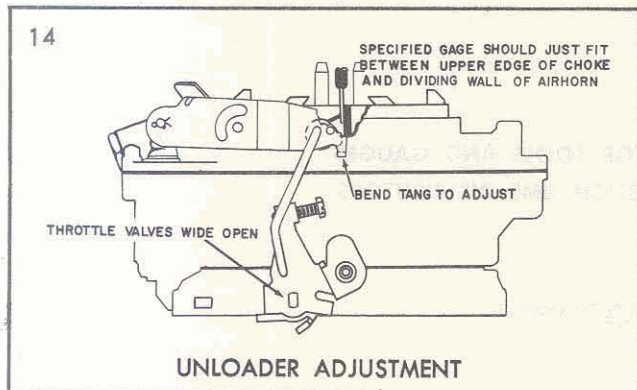
Loosen the three retaining screws and rotate the stat cover counterclockwise against the coil tension until the index mark is in line with the specified point on the housing.



SETTING .052" — GAUGE BT-68

Position the fast idle screw on the second step of the fast idle cam and raise the intermediate choke lever to the full up position. Be sure the intermediate rod and the choke rod are at the upper limit of travel in the slots, remove all lash.

With the fast idle screw positioned as above, adjust the choke rod by bending to obtain the specified clearance between the choke valve and the dividing wall of the air horn.



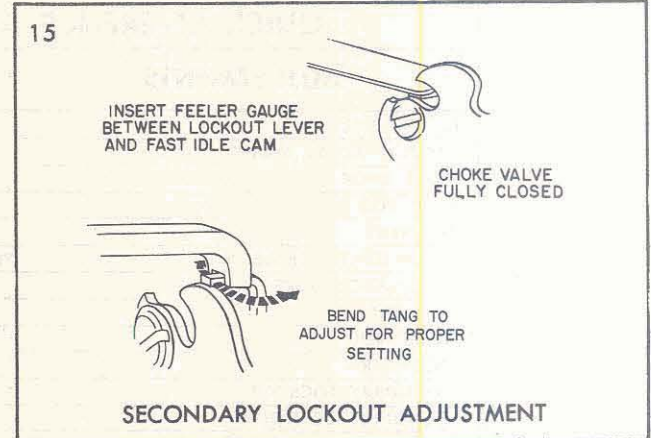
SETTING .115" USE TOOL BT-69, GAUGE BT-90

Bend the unloader tang on the pump lever to obtain a clearance of .115" between the choke valve edge and the dividing air horn wall with the throttle valves wide open.

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1600 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .020" clearance between the screw head and the throttle lever.

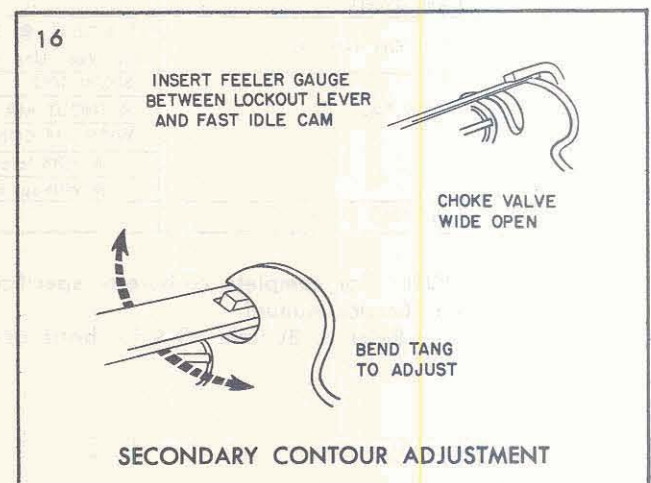
CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

Do not shut off engine at fast idle speed. Return to slow idle first.



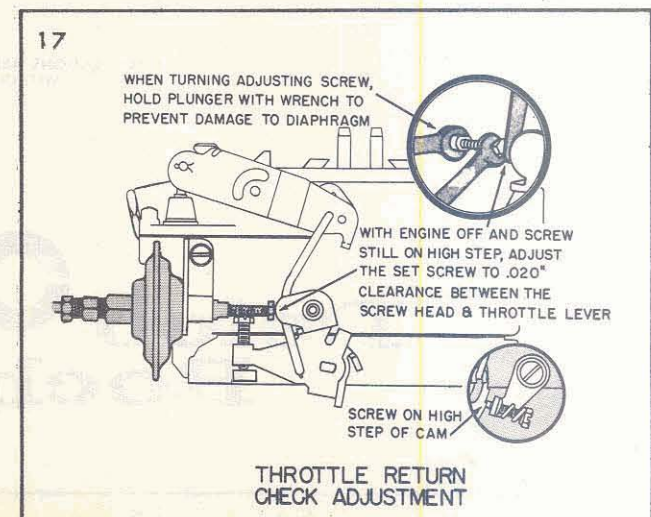
SETTING .015", USE TOOL BT-18 OR BT-91A

With the *choke valve fully closed*, bend the lockout lever as shown to obtain .015" clearance between the cam and the side of the lockout lever at the point shown.



SETTING .030", USE TOOL BT-91-A

With the *choke valve wide open*, bend the lockout lever as shown to obtain .030" clearance between the cam and the widest surface of the lockout lever at the point shown.



QUICK REFERENCE ADJUSTMENTS 1959-62

ADJUSTMENTS	DIMENSIONS		GAUGE No.
	PRIMARY	SECONDARY	
FLOAT LEVEL	9/32"	1 3/8"	BT-171
VACUUM ASSIST SPRING	1-3/64"	—	SCALE
FLOAT DROP	1 1/2"	1-5/16"	SCALE
PUMP ROD	1-1/64"		BT-166A OR SCALE
IDLE VENT	29/32"		BT-166A OR SCALE
INTERMEDIATE CHOKE ROD	PISTON FLUSH — 1/32" OUT		—
AUTOMATIC CHOKE	INDEX		—
FAST IDLE	.024		BT-90
CHOKE ROD	.052		BT-68
UNLOADER	.115		BT-90
SECONDARY LOCKOUT	.015		FEELER
SECONDARY CONTOUR	.030		FEELER
THROTTLE RETURN CHECK	.020		FEELER

1959-1962 TUNE-UP	DIMENSIONS		
SPARK PLUG GAP	.030		
BREAKER POINT GAP	.016		
CAM DWELL	30°		
IGNITION TIMING	5° B.T.D.C. @ 850 R.P.M. (7 1/2° may be used for premium fuel.) Dist. Vac. Line Disconnected and Carburetor Fitting Taped Closed.		
IDLE R.P.M.	SLOW IDLE	HYD.	SYN.
	WITHOUT AIR COND.	500 R.P.M. "DR"	550 R.P.M. "Neut"
	WITH AIR COND.★	500 R.P.M. "DR"	550 R.P.M. "Neut"
	★ With Idle Comp.—Comp. held closed and Air Cond. "OFF"		
★ Without Idle Comp.—Air Cond. "ON"			
FAST IDLE R.P.M.	1600 R.P.M.		

NOTE: For complete carburetor specifications, refer to 9D-1 Section of the Parts and Service Manual.

Refer to Bulletin 9D-9 for basic operation and overhaul procedures.

**COMPLETE MANUALS, CARBURETOR TOOLS AND GAUGES
AS LISTED ARE AVAILABLE THROUGH UMS DISTRIBUTORS**

SPECIFICATIONS ARE SUBJECT TO CHANGE
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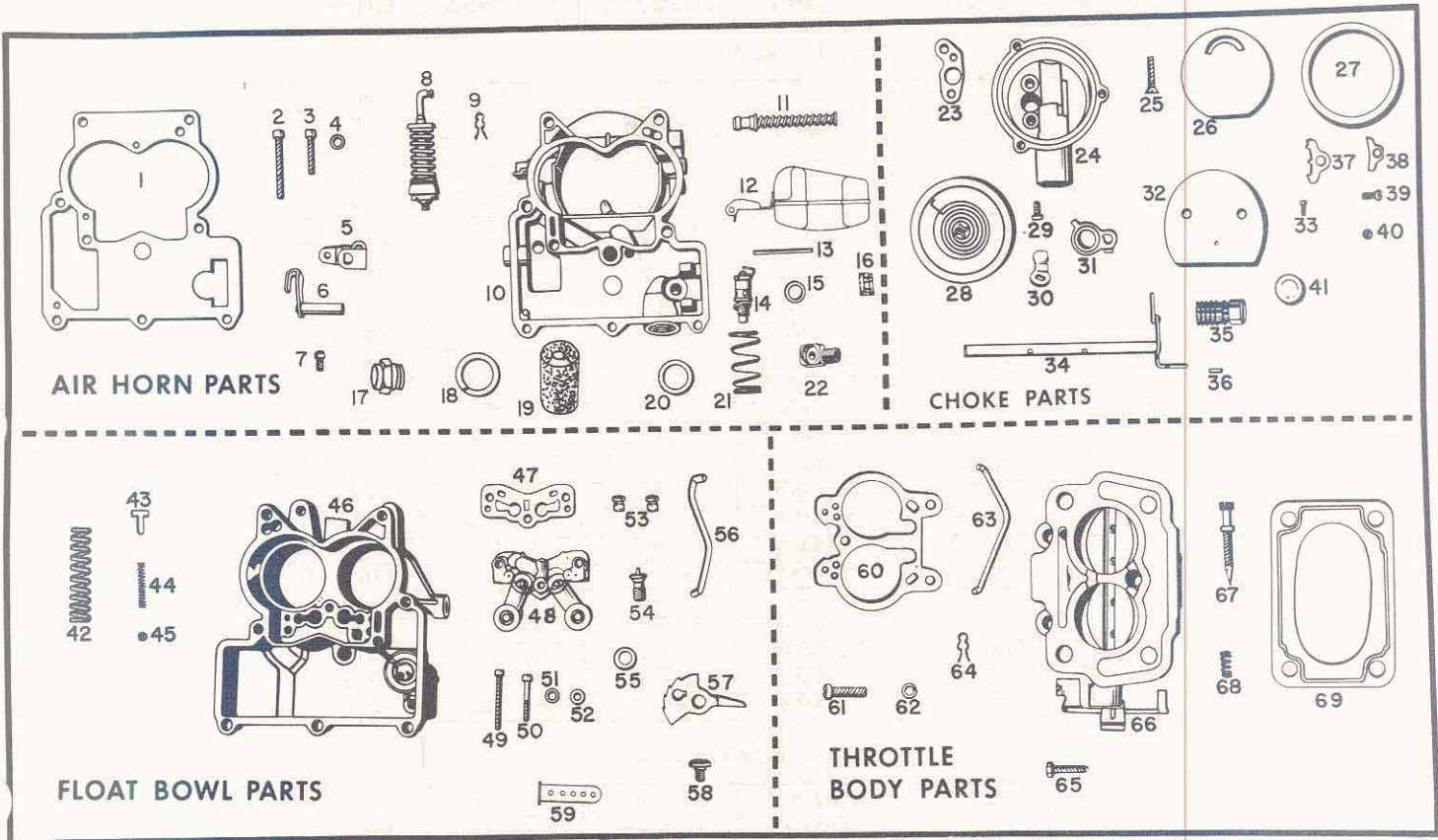
Delco Rochester

Delco Rochester

MODEL 2GC CARBURETORS

1961-62 OLDSMOBILE "F-85"

BULLETIN 9C-516
 PAGE 1 OF 4
 DATE: OCTOBER, 1961
 REPLACES:
 9C-516, OCT., 1960



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	1961		1962 - EARLY		1962 - LATE		YEAR APPLICATION
	AUT. TRANS.	SYNCHRO.	AUT. TRANS.	SYNCHRO.	AUT. TRANS.	SYNCHRO.	
	7019095	7019092	7020051	7020053	7020980	7020981	CARB. No. (Standard)
	7020057	7020059	7020957	7020959	7020982	7020983	CARB. No. (Crankcase Vent)
	7016115	7016114	7016214	7016219	7016214	7016219	REPLACEMENT PKG. No.
	7016127	7016127	7016127	7016127	7016275	7016275	OVERHAUL KIT
	TR-508	TR-508	TR-508	TR-508	TR-510	TR-510	OK KIT
	7016141	7016141	7016141	7016141	7016276	7016276	GASKET KIT
	7020090	7020090	7020090	7020090	7020090	7020090	CARB-AIRATOR

Illus. No.	AIR HORN PARTS						
	1961	1962 - EARLY	1962 - LATE	1962 - LATE	1962 - LATE	1962 - LATE	
1	7021008	7021008	7021008	7021008	7021008	7021008	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	7000266	7000266	Lever — Pump — Inside
6	7019377	7017506	7019377	7017506	7019377	7017506	Pump Shaft and Lever Assembly
7	7010424	7010424	7010424	7010424	7010424	7010424	Screw — Pump Lever
8	7019486	7019486	7019486	7019486	7019486	7019486	★Pump Assembly
9	1875293	1875293	1875293	1875293	1875293	1875293	★Clip — Pump Plunger
10	7019695	7019695	7021539	7021539	7021974	7021974	Air Horn Assembly
11	7006323	7006323	7006323	7006323	7006323	7006323	Power Piston Assembly
12	7012974	7012974	7012974	7012974	7012974	7012974	Float Assembly
13	7002081	7002081	7002081	7002081	7002081	7002081	Pin — Float Hinge
14	7012524	7012524	7012524	7012524	7021991	7021991	★Needle and Seat Assembly
15	7001613	7001613	7001613	7001613	7001613	7001613	★Gasket — Needle Seat
16	7006079	7006079	7006079	7006079	—	—	★Strainer — Needle Seat
17	—	—	—	—	7019181	7019181	Nut — Fuel Inlet Filter

★ OVERHAUL KIT CONTENTS

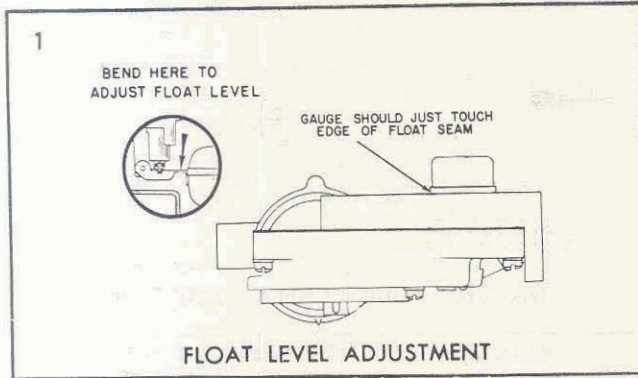
Illus. No.	1961		1962 - EARLY		1962 - LATE		YEAR
	AUT. TRANS.	SYNCHRO.	AUT. TRANS.	SYNCHRO.	AUT. TRANS.	SYNCHRO.	APPLICATION
	7019095	7019092	7020051	7020053	7020980	7020981	CARB. No. (Standard)
	7020057	7020059	7020957	7020959	7020982	7020983	CARB. No. (Crankcase Vent)
CHOKE PARTS							
18	—	—	—	—	7010010	7010010	★Gasket — Filter Nut
19	—	—	—	—	7013404	7013404	Filter — Fuel Inlet
20	—	—	—	—	7013584	7013584	★Gasket — Fuel Filter
21	—	—	—	—	7010007	7010007	Spring — Fuel Filter
22	—	—	—	—	137422	137422	Fuel Inlet Fitting
23	7007502	7007502	7007502	7007502	7007502	7007502	★Gasket — Choke Housing
24	7019847	7019847	7020601	7020601	7020601	7020601	Choke Housing Assembly
25	7019516	7019516	7019516	7019516	7019516	7019516	Screw — Choke Housing
26	7019391	7019391	7006643	7006643	7006643	7006643	Baffle Plate
27	7002760	7002760	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
28	7019697	7019697	7021541	7021541	7021541	7021541	Stat Cover, Coil and Gasket Assembly
29	7019709	7019709	7019709	7019709	7019709	7019709	Screw — Trip Lever
30	7006596	7006596	7006596	7006596	7021930	7021930	Trip Lever
31	7009248	7009248	7009248	7009248	7009248	7009248	Choke Lever and Collar Assembly
32	7000255	7000255	7000255	7000255	7000255	7000255	Choke Valve
33	7007627	7007627	7007627	7007627	7007627	7007627	Screw — Choke Valve
34	7016979	7016979	7016979	7000253	7016979	7000253	Choke Shaft Assembly
35	7012294	7012294	7012610	7012610	7012610	7012610	Choke Piston
36	7010746	7010746	7010746	7010746	7010746	7010746	Pin — Choke Piston
37	7006846	7006846	—	—	—	—	Retainer — Stat Cover — Toothed
38	7000614	7000614	7000614	7000614	7000614	7000614	Retainer — Stat Cover — Plain
39	7010424	7010424	7010424	7010424	7010424	7010424	Screw — Stat Cover
40	7002814	7002814	7002814	7002814	7002814	7002814	Plug — Lead Ball
41	7003135	7003135	7003135	7003135	7003135	7003135	Plug — Expansion — Large

FLOAT BOWL PARTS

42	7002101	7002101	7002101	7002101	7002101	7002101	★Spring — Pump Return
43	7000286	7000286	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
44	7002118	7002118	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
45	7002117	7002117	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
46	7019699	7019699	7021543	7021543	7021975	7021975	Float Bowl Assembly
47	7019911	7019911	7019911	7019911	7019911	7019911	★Gasket — Venturi Cluster
48	7019954	7019954	7021625	7021632	7021625	7021632	Venturi Cluster Assembly (Standard)
48	7020861	7020861	7021625	7021633	7021625	7021633	Venturi Cluster Assy. (Crankcase Vent)
49	7000293	7000293	7000293	7000293	7000293	7000293	Screw — Cluster — Outer
50	7000294	7000294	7000294	7000294	7000294	7000294	Screw — Cluster — Center
51	121841	121841	121841	121841	121841	121841	Lockwasher — Outer Screws
52	7000295	7000295	7000295	7000295	7000295	7000295	★Gasket — Center Screw
53	7002646	7002646	7002946	7002947	7002946	7002947	Jet — Standard
53	7002648	7002648	7002948	7002948	7002948	7002948	Jet — (Crankcase Vent)
54	7006331	7006331	7006331	7006331	7006331	7006331	★Power Valve Assembly
55	7001613	7001613	7001613	7001613	7001613	7001613	★Gasket — Power Valve
56	7017519	7017519	7017519	7017519	7017519	7017519	Choke Rod
57	7017771	7017783	7017771	7017783	7017771	7017783	Cam — Fast Idle
58	7019773	7019773	7019773	7019773	7019773	7019773	Screw — Cam Attaching
59	7009212	7009212	7021528	7021528	7021528	7021528	Insert — Main Well

THROTTLE BODY PARTS

60	7017517	7017517	7017517	7017517	7021933	7021933	★Gasket — Throttle Body
61	7015105	7015105	7015105	7015105	7015105	7015105	Screw — Throttle Body
62	121744	121744	121744	121744	121744	121744	Lockwasher — Throttle Body Screws
63	7019384	7017518	7019384	7017518	7019384	7017518	Pump Rod
64	1875293	1875293	1875293	1875293	1875293	1875293	★Clip — Pump Rod
65	7013347	7006213	7013347	7006213	7013347	7006213	Idle Stop Screw
66	7019702	7019701	7021542	7019701	7021542	7019701	Throttle Body Assembly
67	7013116	7013116	7013116	7013116	7013116	7013116	★Idle Needle
68	7003190	7003190	7003190	7003190	7003190	7003190	Spring — Idle Needle
69	1195122	1195122	1195122	1195122	1195122	1195122	★Flange Gasket
—	7020092	—	7020092	—	7020092	—	Throttle Return Check Assembly
—	7019383	—	7019383	—	7019383	—	Contact Screw
—	120614	—	120614	—	120614	—	Locknut — Contact Screw

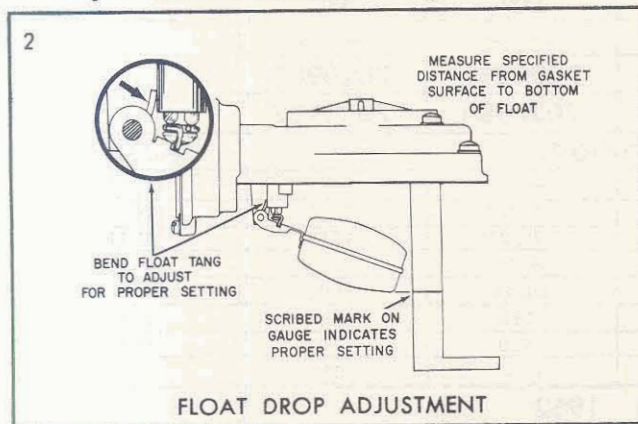


SETTING — $35/64$ " , GAUGE BT-187 (1961-62 EARLY)
 SETTING — $25/32$ " , GAUGE BT-215 (1962 LATE)

With air horn inverted and air horn gasket installed, the dimension from the air horn gasket to the lower edge (sharp edge) of the float seam at the outer end of the float pontoon at toe, should be as shown above.

Place edge of gauge across air horn gasket at outer end of float, as shown. The lower edge (sharp edge) of the seam on the float pontoon should just touch gauge.

To adjust, bend the float arm at rear, as shown.

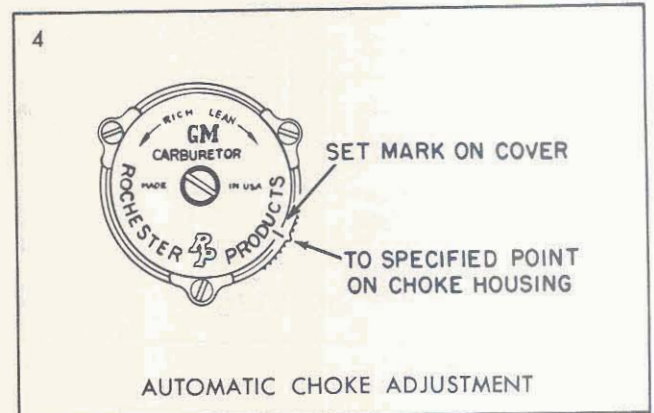
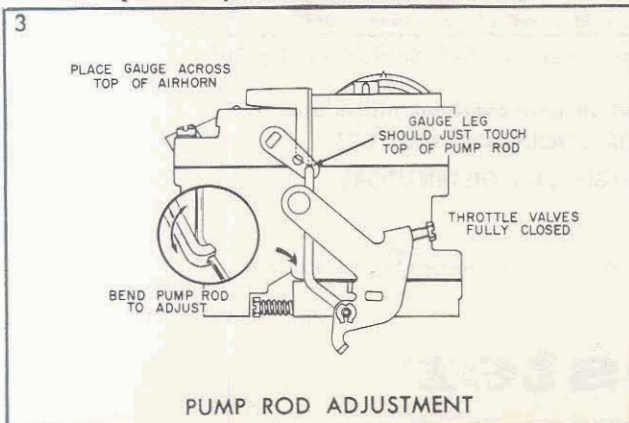


SETTING — $1-29/32$ " , GAUGE BT-187

With the air horn held upright and gasket in place, measure the distance from the gasket to the bottom of the float pontoon; it should be $1-29/32$ " .

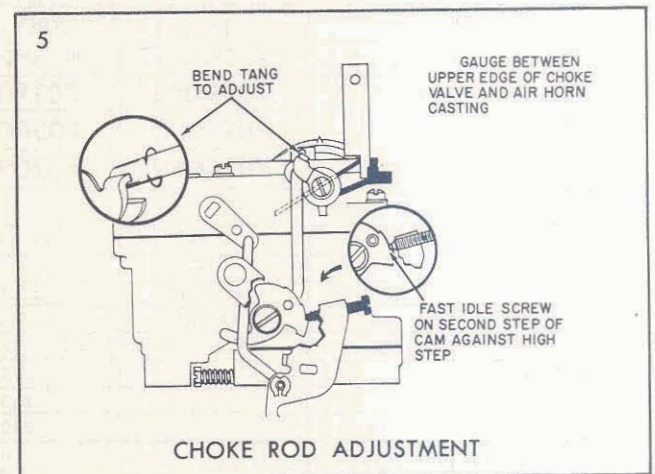
Drop may be measured with a scale or combination gauge as shown.

Bend the float tang to adjust; toward needle seat to lessen drop and away from seat to increase drop.



1961 SETTING — I.N.L.
 1962 SETTING INDEX

Loosen the three retaining-screws and rotate the choke cover counter-clockwise against coil tension until the index mark is in line with the index point on the choke housing. At room temperature the choke valve should be lightly closed.



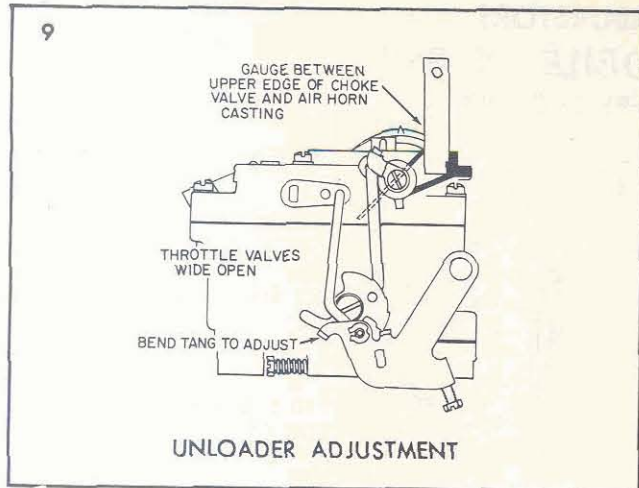
SETTING .082 — GAUGE BT-191

Turn idle screw into normal idle position (1-1/2 turns). Then place the idle screw on the second step of the fast idle cam and against the shoulder of the high step. The small end of Gauge should just fit into place between the upper edge of the choke valve and the wall of the air horn. Using Bending Tool BT-69, bend the counterweight tang as shown to obtain the correct choke rod setting.

SETTING — $59/64$ " , GAUGE BT-187

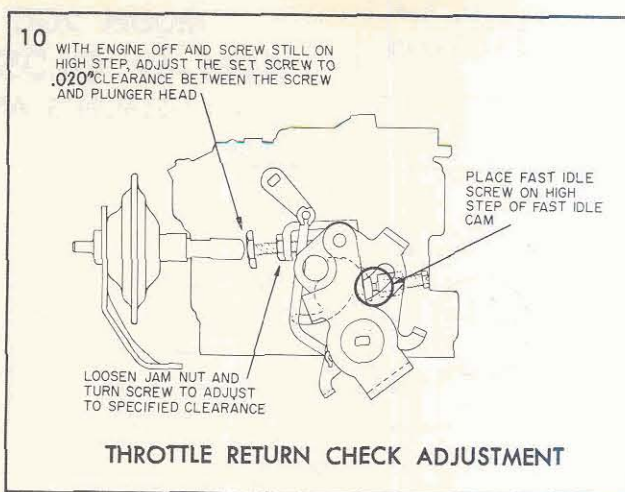
Back out idle screw and completely close throttle valves in bore. Place combination gauge on the top of carburetor air horn surface as shown, with leg marked "pump" pointing downward towards pump rod. The lower edge of gauge leg marked "pump" should just touch top of pump rod.

Bend the lower end of pump rod, as shown, to obtain the proper setting.



SETTING - .250 GAUGE BT-211

With the throttle valves held wide open, the choke valve should be open just enough to admit the proper gauge between the upper end of the choke valve and the inner air horn wall. Bend the tang on the throttle lever to adjust.



SETTING - .020" USE FEELER GAUGE

Set normal engine idle. Then shut engine off and place the idle screw on the high step of the fast idle cam. Loosen lock nut and adjust screw on throttle lever pad to obtain a .020" clearance between the screw head and the throttle return check plunger.

CAUTION: Tighten lock nut on adjustment screw after adjustment is made.

QUICK REFERENCE SPECIFICATIONS

YEAR	1961-1962 (EARLY)		1962 (LATE)		
	SYN.	HYD.	SYN.	HYD.	
TRANSMISSION					
CARBURETOR No.	7019092	7019095	---	---	
	7020053	7020051	7020981	7020980	
	7020959	7020957	7020983	7020982	
ADJUSTMENTS	DIMENSIONS				GAUGE NO.
FLOAT LEVEL	35/64"	35/64"	---	---	BT-187
	---	---	25/32"	25/32"	BT-215
FLOAT DROP	1-29/32"	1-29/32"	1-29/32"	1-29/32"	BT-187
PUMP ROD	59/64"	59/64"	59/64"	59/64"	BT-187
AUTOMATIC CHOKE	(1961) 1 N.L. (1962) - INDEX		INDEX	INDEX	---
CHOKE ROD	.082	.082	.082	.082	BT-191
UNLOADER	.250	.250	.250	.250	BT-211
THROTTLE RETURN CHECK	---	.020	---	.020	FEELER
TUNE-UP	1961 - 1962				
SPARK PLUG					
BREAKER POINT GAP					
CAM DWELL					
IGNITION TIMING	R.P.M. DIST. VAC. LINE DISCONNECTED. VAC. HOLE MUST BE PLUGGED.				
IDLE R.P.M.	SLOW IDLE		HYD.	SYN.	
	WITHOUT AIR CONDITIONER				
	WITH AIR CONDITIONER ★				
	★ With Idle Comp. — Comp. held closed and Air Cond. "OFF"				

NOTE: For complete carburetor specifications, refer to 9D-1 Section of the Parts and Service Manual.

Refer to Bulletin 9D-10 for basic operation and overhaul procedures.

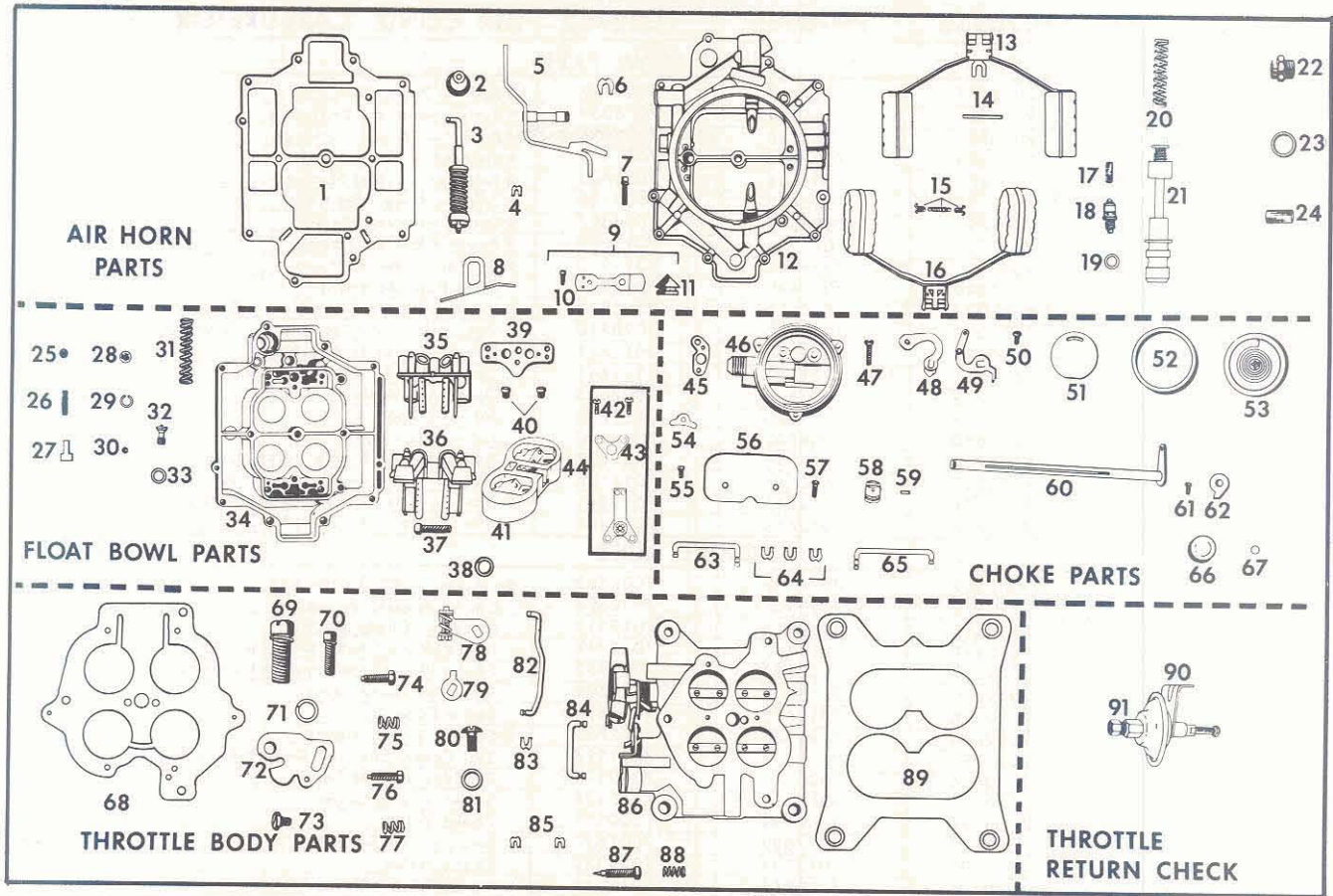
**COMPLETE MANUALS, CARBURETOR TOOLS AND GAUGES
AS LISTED ARE AVAILABLE THROUGH UMS DISTRIBUTORS**



Delco Rochester

MODEL 4GC CARBURETORS

1961-62 OLDSMOBILE "F-85"



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

Illus. No.	1961	'62 (1st type)	'62 (2nd type)	'62 (3rd type)	YEAR APPLICATION
	HYD. & SYN.	HYD. & SYN.	HYD. & SYN.	HYDRAMATIC	
	7019055	7020952	7020985	7022752	STANDARD CARBURETOR No.
	7019056	7020953	7020985	7022752	AIR COND. CARBURETOR No.
	7016119	7016224	7016298	7016269	REPLACEMENT PACKAGE No.
	7016131	7016278	7016278	7016278	OVERHAUL KIT
	FR-506	FR-506	FR-506	FR-506	OK KIT
	7016145	7016279	7016279	7016279	GASKET KIT
	AIR HORN PARTS				
1	7015136	7015136	7015136	7015136	★Gasket — Air Horn
2	7006372	7006372	7006372	7006372	★Boot — Pump Plunger
3	7020248	7020248	7020248	7020248	★Pump Assembly
4	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
5	7013430	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	7007616	★Clip — Pump Shaft
7	7000249	7000249	7000249	7000249	Screw — Air Horn
8	7012520	7012520	7012520	7012520	Shield — Idle Vent Valve
9	7012188	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	7012548	Screw — Idle Vent Valve
11	7007129	7007129	7007129	7007129	Idle Vent Valve
12	7020442	7021596	7021596	7021596	Air Horn Assembly
13	7012797	7012797	7012797	7012797	Primary Float Assembly
14	7001595	7001595	7001595	7001595	Pin — Float Hinge
15	7001850	7001850	7001850	7001850	★Float Balance Spring Assembly (Sec. Only)
16	7012148	7012148	7012148	7012148	Secondary Float Assembly
17	7006079	7006079	7006079	7006079	★Strainer — Needle Seat
18	7012207	7012207	7012207	7012207	★Needle and Seat Assembly — Primary
18	7012144	7012144	7012144	7012144	★Needle and Seat Assembly — Secondary
19	7001613	7001613	7001613	7001613	★Gasket — Needle Seat
20	7015181	7015181	7015181	7015181	Spring — Power Piston
21	7011947	7011947	7011947	7011947	Power Piston Assembly
22	7002862	7000262	7000262	7000262	Strainer Nut
23	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
24	7003083	7003083	7003083	7003083	★Strainer — Fuel Inlet

	1961 HYD. & SYN.	'62 (1st type) HYD. & SYN.	'62 (2nd type) HYD. & SYN.	'62 (3rd type) HYDRAMATIC	YEAR APPLICATION
	7019055	7020952	7020985	7022752	STANDARD CARBURETOR No.
	7019056	7020953	7020985	7022752	AIR COND. CARBURETOR No.

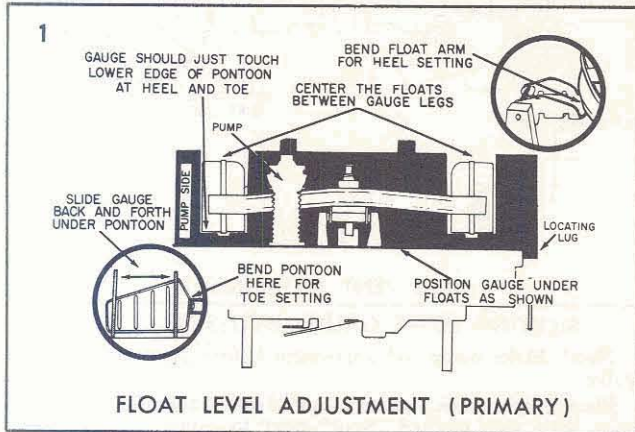
Illus. No.	FLOAT BOWL PARTS				
25	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
26	7006059	7006059	7006059	7006059	★Spring — Pump Discharge
27	7003838	7003838	7003838	7003838	★Guide — Pump Discharge
28	7001604	7001604	7001604	7001604	★Strainer — Pump Inlet
29	7001605	7001605	7001605	7001605	★Retainer — Inlet Strainer
30	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
31	7004597	7004597	7004597	7004597	★Spring — Pump Return
32	7011989	7011989	7011989	7011989	★Power Valve Assembly
33	7011990	7011990	7011990	7011990	★Gasket — Power Valve
34	7019849	7019849	7019849	7019849	Float Bowl Assembly
35	7020323	7020323	7020323	7020323	Venturi Cluster Assembly — Primary
36	7020320	7020320	7020320	7020320	Venturi Cluster Assembly — Secondary
37	7010421	7010421	7010421	7010421	Screw — Cluster Attaching
38	121841	121841	121841	121841	Lockwasher — Cluster Screws
39	7007803	7007803	7007803	7007803	★Gasket — Venturi Clusters
40	7002643	7002643	7002643	7002643	Jet — Primary
40	7008660	7008660	7008660	7008660	Jet — Secondary
41	7021207	7021207	7021207	7021207	Auxiliary — Throttle Valve Assembly
42	7015127	7015127	7015127	7015127	Screw — Idle Compensator (Air Cond. Carbs)
43	7013341	7013341	7013341	7013341	★Gasket — Idle Compensator (Air Cond. Carbs)
44	7020488	7020488	7020488	7020488	Idle Compensator Kit (Air Cond. Carbs)

CHOKE PARTS					
45	7007502	7007502	7007502	7007502	★Gasket — Choke Housing
46	7020398	7020398	7020398	7020398	Choke Housing Assembly
47	7019516	7019516	7019516	7019516	Screw — Choke Housing
48	7013447	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7009852	7009852	7009852	7009852	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	7019709	Screw — Piston Lever
51	7010598	7010598	7010598	7010598	Baffle Plate
52	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
53	7021597	7021597	7021597	7021597	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	7000614	Retainer — Stat Cover
55	7010424	7010424	7010424	7010424	Screw — Stat Cover
56	7000191	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	7007627	Screw — Choke Valve
58	7015332	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	7010746	Pin — Choke Piston
60	7013828	7013828	7013828	7013828	Choke Shaft Assembly
61	7019709	7019709	7019709	7019709	Screw — Trip Lever
62	7000196	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	7013853	Rod — Intermediate Choke
64	7005109	7005109	7005109	7005109	★Clip — Intermediate and Choke Rods
65	7021963	7021963	7021963	7021963	Rod — Choke
66	7003135	7003135	7003135	7003135	Plug — Expansion
67	7002814	7002814	7002814	7002814	Plug — Lead Ball

THROTTLE BODY PARTS					
68	7021639	7021639	7021639	7021639	★Gasket — Throttle Body
69	7004324	7004324	7004324	7004324	Screw — Throttle Body — Large
70	7015105	7015105	7015105	7015105	Screw — Throttle Body — Small
71	121744	121744	121744	121744	Lockwasher — Small Screws
72	7021464	7021464	7021464	7021464	Cam — Fast Idle
73	7003561	7003561	7003561	7003561	Screw — Cam Attaching
74	7011546	7011546	7011546	7011546	Fast Idle Screw
75	7020664	7020664	7001690	7001690	Spring — Fast Idle Screw
76	7002121	7002121	7002121	7002121	Idle Stop Screw
77	—	—	—	—	Spring — Idle Stop Screw
78	7020732	7020732	7022601	7022601	Fast Idle Lever Assembly
79	7013436	7013436	7013436	7013436	Lever — Secondary Lockout
80	7010435	7010435	7010435	7010435	Screw—Fast Idle and Secondary Lockout Levers
81	7010354	7010354	7010354	7010354	Washer—Spacer—Fast Idle and Sec. Lockout Levers
82	7015552	7015552	7015552	7015552	Rod — Pump
83	7005032	7005032	7005032	7005032	★Clip — Pump Rod
84	7000241	7000241	7000241	7000241	Link — Secondary Lever
85	7005032	7005032	7005032	7005032	★Clip — Secondary Lever Link
86	7019850	7019850	7019850	7022929	Throttle Body Assembly
87	7013116	7013116	7013116	7013116	★Idle Needle
88	7011479	7011479	7011479	7011479	Spring — Idle Needle
89	583319	583319	583319	583319	★Gasket — Flange

THROTTLE RETURN CHECK PARTS					
HYDRAMATIC					
90	577287	577287	577287	577287	Throttle Return Check Assembly
91	7006308	7006308	7006308	7006308	Contact Screw

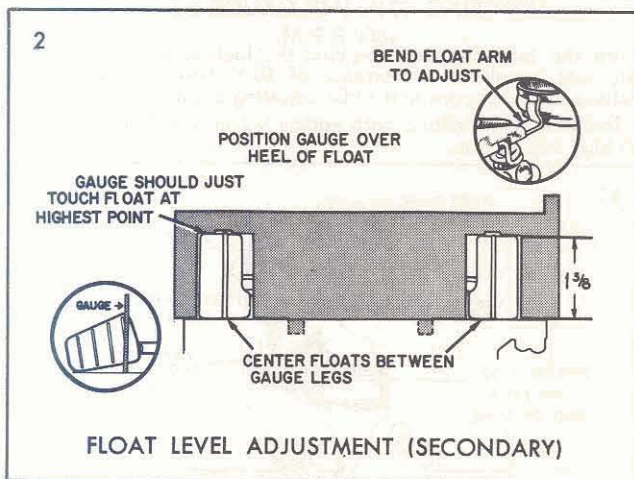
★ OVERHAUL KIT CONTENTS



SETTING 7/32", GAUGE BT-198 (7019055-56, 7020952-53)
 SETTING 9/32", GAUGE BT-171 (7020985, 7022752)

NOTE: Pump side of gauge should always face pump assembly when checking float alignment.

With the air horn inverted and gasket in place, install the float level gauge under the heel of the primary float pontoons, as shown. With the gauge vertical, the pontoon surface should just touch the gauge. If the floats are too high or low, bend the float arms at rear, as shown, until pontoons just touch gauge. Slide the gauge under the toe of the pontoons, as shown. Again, the lower surface of pontoons should just touch gauge. Adjustment may be made by placing bending tool (BT-142) in place on arms, grasping the pontoon, and lightly bending the pontoon to just touch the gauge. The lower surface of the float should now be parallel with the air horn surface and the gauge should slide freely under pontoons. With the gauge still under floats, hold the lug on the lower surface of the gauge against the outside of the air horn casting. The pontoons should center in the cut-out section between the gauge legs. If alignment is needed, bend float arms horizontally until the pontoons are centered at heel and toe. Move float assembly from side to side at hinge pin to make sure floats do not rub sides of gauge legs.

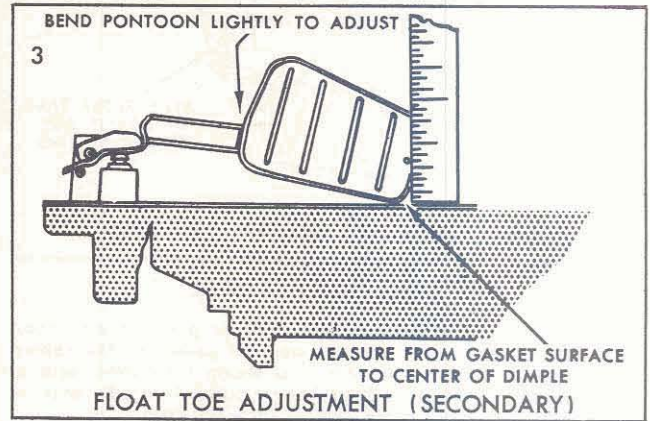


SETTING 1 3/8", GAUGE BT-198

With the air horn inverted and gasket in place, position float gauge over the float heel (large end) as shown. Upper surface of pontoon should just touch gauge. Bend the float arm at rear at point shown to adjust.

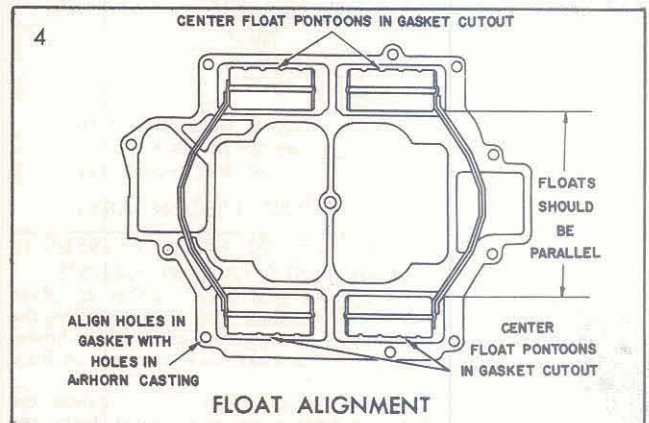
With the float gauge still positioned over the heel of the floats as above and centered in the air horn, each float pontoon should be centered between gauge legs. Bend the float arms horizontally to align.

Move float assembly from side to side at hinge pin to make sure pontoons do not rub sides of gauge legs.

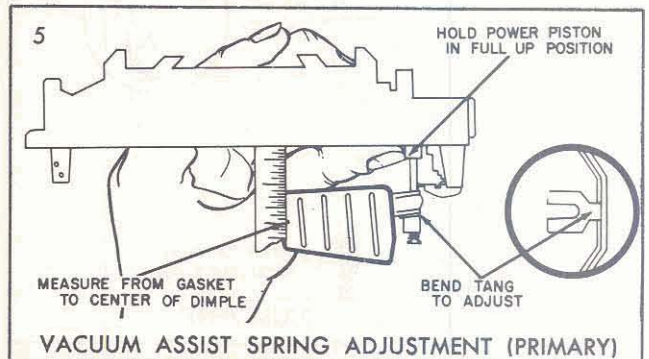


SETTING 3/8", USE SCALE

With the air horn still inverted and gasket in place, measure the distance from the gasket to the center of the dimple on the side of the float pontoon at toe (small end). To adjust, bend the toe of the pontoon up or down while holding the float arm at point shown. Always recheck float heel adjustment if toe adjustment is necessary.



After centering floats recheck alignment by aligning screw holes in air horn gasket with screw holes in air horn. Then make sure float pontoons are centered in the cut-out sections of the gasket and the sides of the pontoons are parallel with the adjacent edges of the gasket.

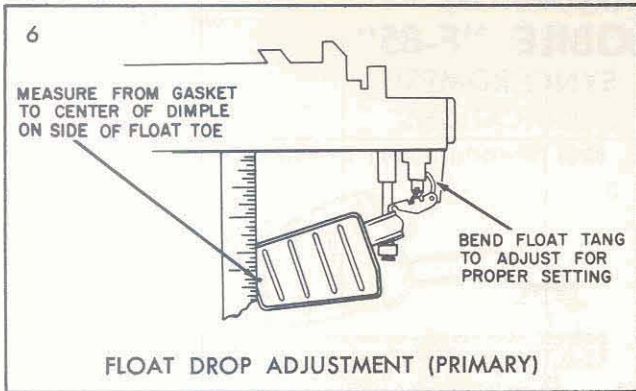


SETTING 29/32", USE SCALE 7019055-56 7020952-53)

SETTING 1-1/32" USE SCALE (7020985, 7022752)

With the air horn held upright and level, as shown, hold the power piston in the full up position, with the thumb as shown. Jounce pontoon lightly to make sure the cup retainer on the vacuum assist spring is not binding on the power piston stem. Measure the distance from the gasket to the center of the dimple on the float pontoon at toe; it should be as specified above.

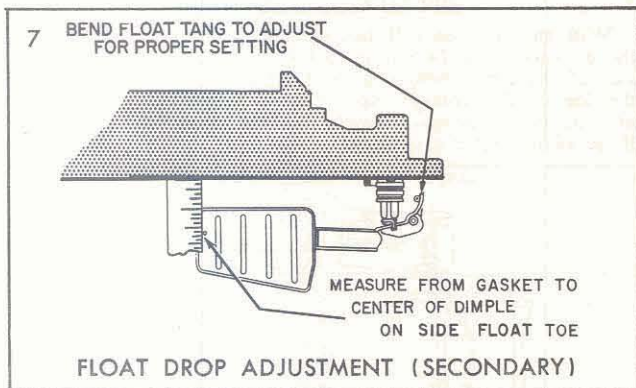
NOTE: Always hold power piston is "up" position. To adjust, bend tang at center of float arms as shown with Bending Tool BT-142.



FLOAT DROP ADJUSTMENT (PRIMARY)

SETTING 1½", USE SCALE

With the air horn held upright and the power piston fully extended, measure the distance from the gasket to the center of the dimple; it should be 1½". To obtain the correct setting bend the tang at the rear float hanger towards needle seat to lessen drop and away from seat to increase drop.

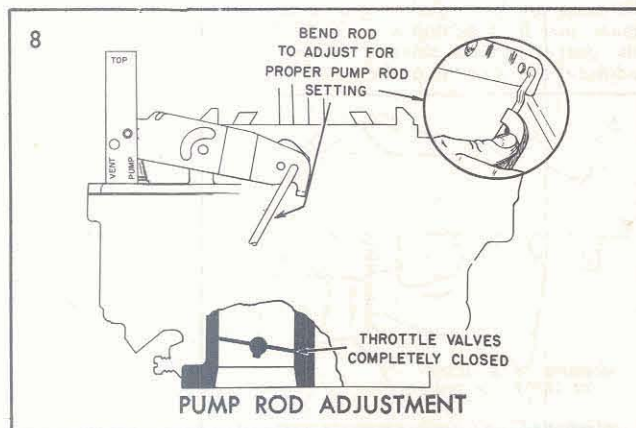


FLOAT DROP ADJUSTMENT (SECONDARY)

SETTING 1-3/8", USE SCALE (7019055-56, 7020952-53)
SETTING 1-1/8" USE SCALE (7020985, 7022752)

With the air horn held upright and level, gasket in place and the floats hanging freely, measure the distance from the gasket to the center of dimple on side of float toe, as shown. Jounce floats lightly with finger to make sure they are in fully settled position. Dimension 1-3/8".

Bend the tang at the rear of the float arms, against the balance spring to decrease float drop and away from the balance spring to increase float drop.



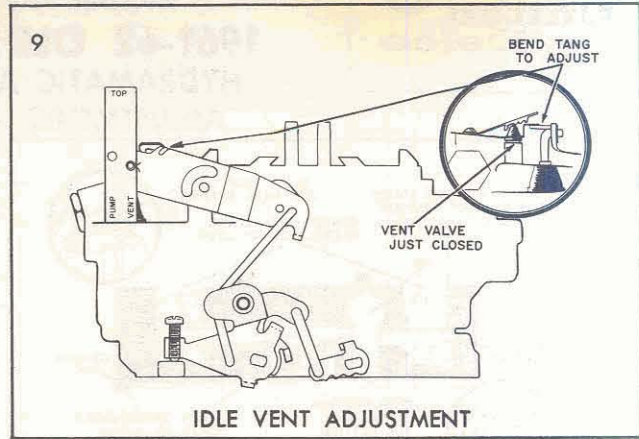
PUMP ROD ADJUSTMENT

SETTING 1-1/64" OUTER HOLE, GAUGE BT-213 OR SCALE

Back out fast and slow idle screws until throttle valves are completely closed. Place combination "pump" and "vent" gauge on top of air horn next to pump plunger, as shown. With the throttle valves closed and lower edge of gauge resting on top of air horn, the pump plunger shaft should slide freely into hole of gauge marked "pump".

NOTE: When using a scale, measure from air horn casting to bottom of pump plunger rod.

Bend the pump rod with Bending Tool BT-18 as shown to adjust.



IDLE VENT ADJUSTMENT

SETTING 15/16", GAUGE BT-213 OR SCALE

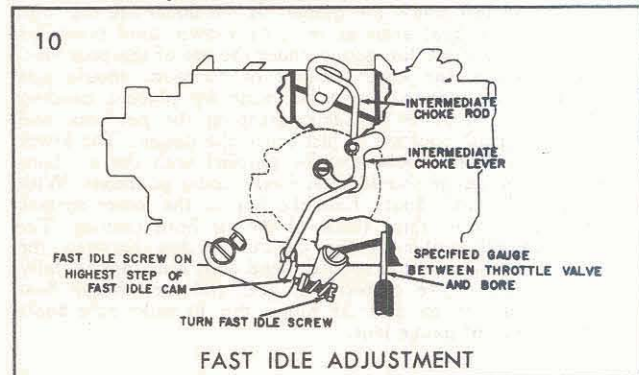
Note: Make pump rod adjustment before adjusting idle vent valve.

Place combination "pump" and "vent" gauge on top of air horn with side marked "vent" next to pump plunger shaft, as shown.

Open throttle valves to point where the vent valve is just closed. With the throttle valves held in this position; the hole marked "vent" on the gauge should slide freely over pump plunger shaft.

NOTE: When using a scale, measure from air horn casting to bottom of pump plunger rod.

Bend the tang on the pump lever, as shown to adjust.



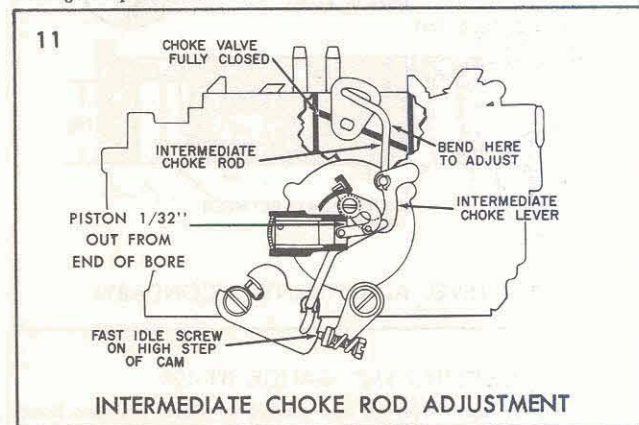
FAST IDLE ADJUSTMENT

SETTING .024", USE GAUGE BT-90

1800 R.P.M.

Turn the fast idle screw against the highest step of the fast idle cam, to obtain a clearance of .024" between the throttle valve and bore, opposite the idle adjusting needles.

Recheck RPM setting with engine warm and fast idle screw on high step of cam.



INTERMEDIATE CHOKE ROD ADJUSTMENT

USE BENDING TOOL BT-18

Place fast idle screw on the high step of the fast idle cam and raise the intermediate choke lever to its full up position. Be sure all lash is removed from rods in slots. The choke piston should be 1/32" out from the end of the choke piston bore when choke valve is fully closed.

Bend the intermediate choke rod to correctly position the choke piston.



Delco Rochester

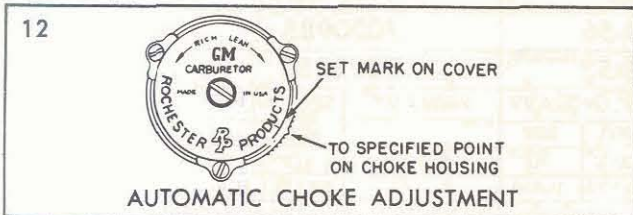
MODEL 4GC CARBURETORS

1961-62 OLDSMOBILE "F-85"

HYDRAMATIC AND SYNCHROMESH

ADJUSTMENTS AND SPECIFICATIONS

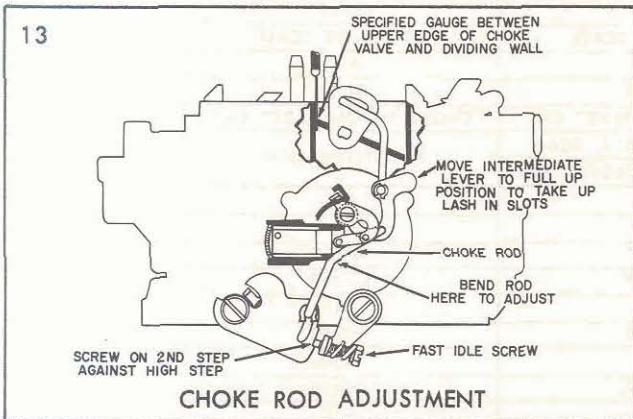
BULLETIN 9C-517
PAGE 5 OF 6
DATE: APRIL, 1962



AUTOMATIC CHOKE ADJUSTMENT

SETTING - INDEX (7019055, 7019056)
1 NOTCH RICH (7020952, 7020953)
2 NOTCHES RICH (7020985, 7022752)

Loosen the three retaining screws and rotate the stat cover counterclockwise against the coil tension until the index mark is in line with the specified point on the housing.

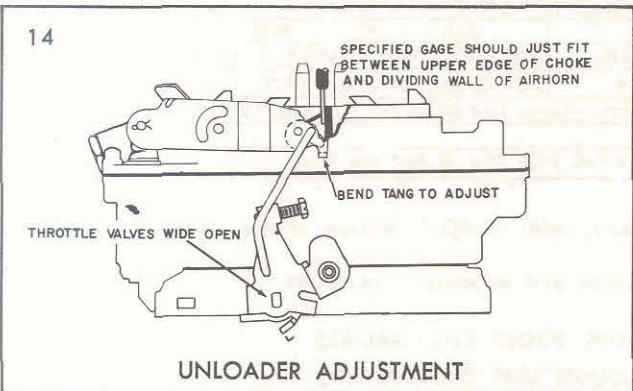


CHOKE ROD ADJUSTMENT

SETTING .052" - GAUGE BT-68

Position the fast idle screw on the second step of the fast idle cam and raise the intermediate choke lever to the full up position. Be sure the intermediate rod and the choke rod are at the upper limit of travel in the slots, remove all lash.

With the fast idle screw positioned as above, adjust the choke rod by bending to obtain the specified clearance between the choke valve and the dividing wall of the air horn.



UNLOADER ADJUSTMENT

SETTING 3/16" USE TOOL BT-69 GAUGE BT-217

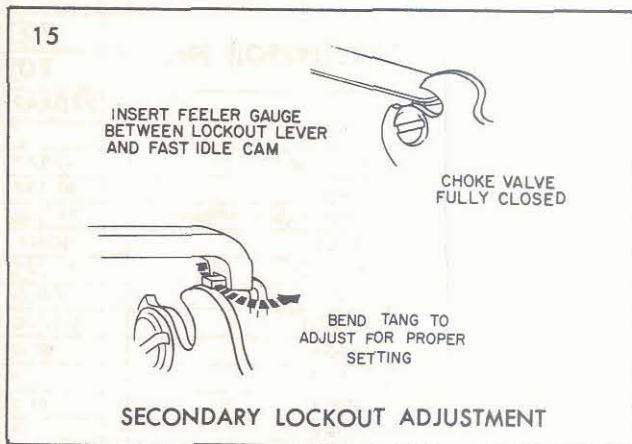
Bend the unloader tang on the pump lever to obtain a clearance of 3/16" between the choke valve edge and the dividing air horn wall with the throttle valves wide open.

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1600 R.P.M. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

Do not shut off engine at fast idle speed. Return to slow idle first.

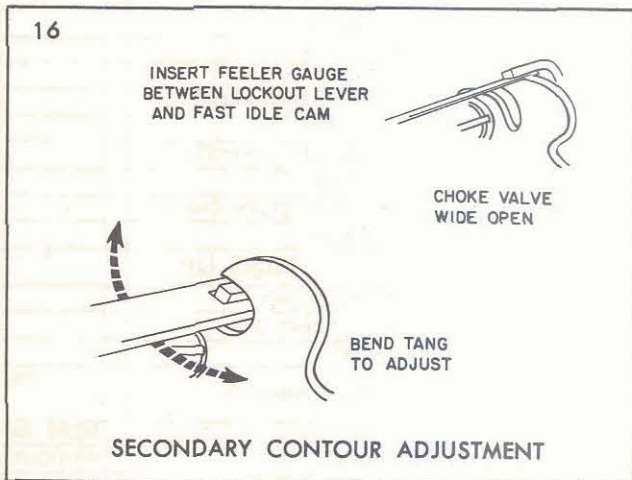
CO, WD, 131, 132:16, 9X, 9FR, 9FD



SECONDARY LOCKOUT ADJUSTMENT

SETTING .015". USE TOOL BT-18 OR BT-91A

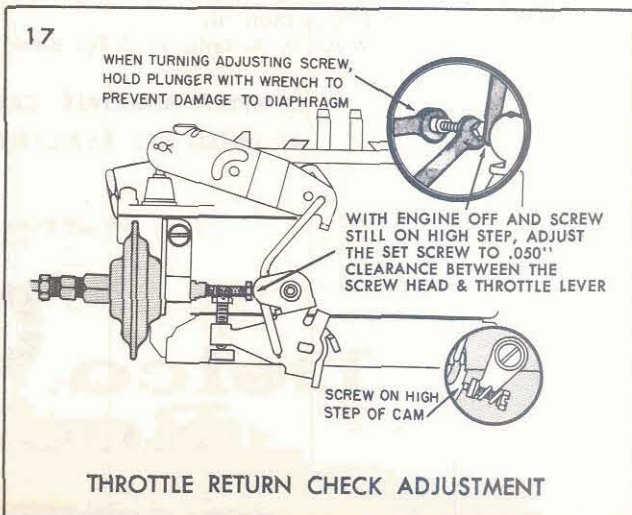
With the *choke valve fully closed*, bend the lockout lever as shown to obtain .015" clearance between the cam and the side of the lockout lever at the point shown.



SECONDARY CONTOUR ADJUSTMENT

SETTING .030". USE TOOL BT-91-A

With the *choke valve wide open*, bend the lockout lever as shown to obtain .030" clearance between the cam and the widest surface of the lockout lever at the point shown.



THROTTLE RETURN CHECK ADJUSTMENT

PRINTED IN U.S.A.
I.P.S.

QUICK REFERENCE ADJUSTMENTS

CARBURETOR No.	1961-62			(1962 LATE)		
	7019055-56			7020985		
	7020952-53			7022752		
	PRIMARY	SECONDARY		PRIMARY	SECONDARY	
		HEEL	TOE		HEEL	TOE
FLOAT LEVEL	7/32"	1-3/8"	3/8"	9/32"	1-3/8"	3/8"
GAUGE	BT-198	BT-198	SCALE	BT-171	BT-171	SCALE
VACUUM ASSIST SPRING	29/32"	—		1-1/32"	—	
GAUGE	SCALE	—		SCALE	—	
FLOAT DROP	1-1/2"	1-3/8"		1-1/2"	1-1/8"	
GAUGE	SCALE	SCALE		SCALE	SCALE	
PUMP ROD	1-1/64" (OUTER HOLE)			1-1/64" (OUTER HOLE)		
GAUGE	BT-213 OR SCALE			BT-213 OR SCALE		
IDLE VENT	15/16"			15/16"		
GAUGE	BT-213 OR SCALE			BT-213 OR SCALE		
FAST IDLE	.024			.024		
GAUGE	BT-90			BT-90		
INTERMEDIATE CHOKE ROD	CHOKE PISTON 1/32" OUT			CHOKE PISTON 1/32" OUT		
AUTOMATIC CHOKE	INDEX (7019055, 056)			2 NOTCHES RICH		
	1 NOTCH RICH (7020952, 953)					
CHOKE ROD	.052			.052		
GAUGE	BT-68			BT-68		
UNLOADER	3/16"			3/16"		
GAUGE	BT-217			BT-217		
SECONDARY LOCKOUT	.015			.015		
GAUGE	FEELER			FEELER		
SECONDARY CONTOUR	.030			.030		
GAUGE	FEELER			FEELER		
THROTTLE RETURN CHECK	.050			.050		
GAUGE	FEELER			FEELER		
TUNE-UP				DIMENSIONS		
SPARK PLUG GAP				.040"		
BREAKER POINT GAP				.016		
CAM DWELL				30°		
IGNITION TIMING	7 1/2° B.T.D.C. @ 850 R.P.M. Dist. Vac. Line Disconnected and Carburetor Fitting Taped Closed.					
IDLE R.P.M.	SLOW IDLE	HYD.		SYN.		
	WITHOUT AIR COND.	500 R.P.M. "DR"	550 R.P.M. "Neut"			
	WITH AIR COND.★	550 R.P.M. "DR"	550 R.P.M. "Neut"			
	★ With Idle Comp.—Comp. held closed and Air Cond. "OFF"					
FAST IDLE R.P.M.	1800 R.P.M. High Step of Fast Idle Cam.					

NOTE: For complete carburetor specifications, refer to 9D-1 Section of the Parts and Service Manual.
Refer to Bulletin 9D-9 for basic operation and overhaul procedures.

**COMPLETE MANUALS, CARBURETOR TOOLS AND GAUGES
AS LISTED ARE AVAILABLE THROUGH UMS DISTRIBUTORS**

SPECIFICATIONS ARE SUBJECT TO CHANGE
WITHOUT NOTICE





Delco Rochester

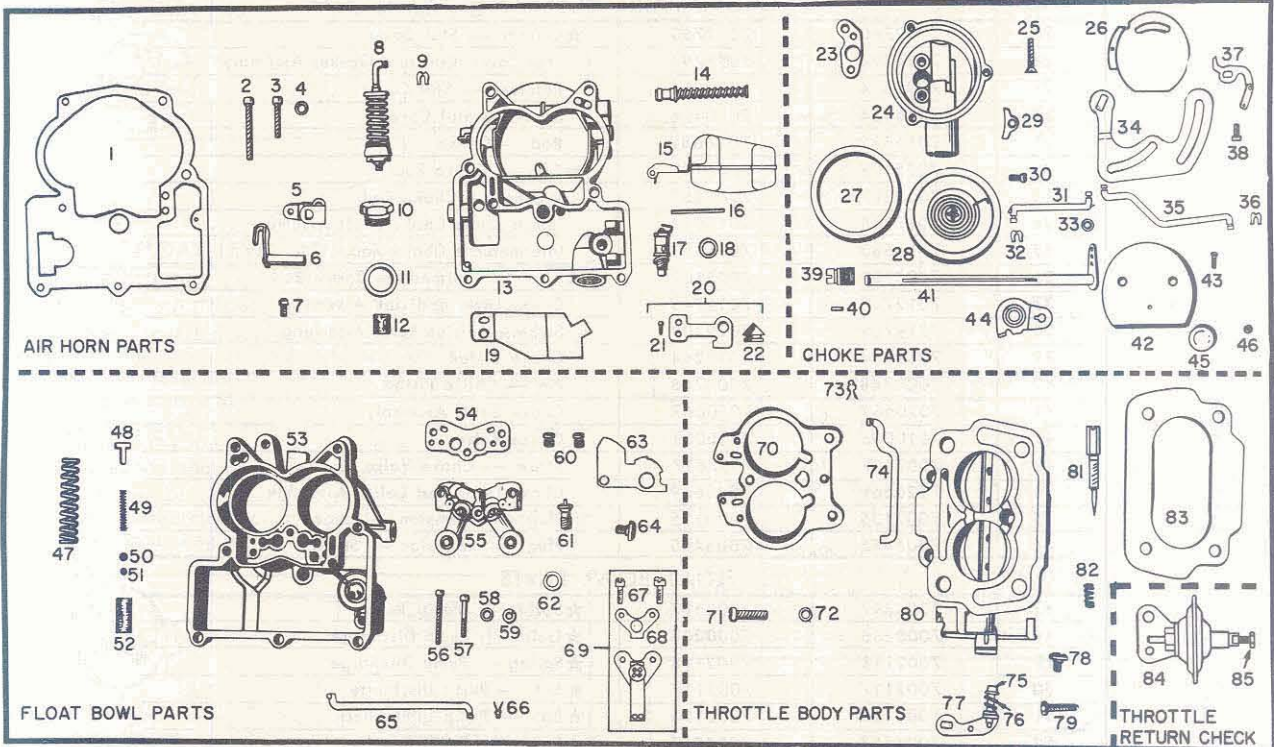
MODEL 2GC CARBURETORS

1962 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH

ADJUSTMENTS AND SPECIFICATIONS

BULLETIN 9C-518
PAGE 1 OF 4
DATE: OCTOBER, 1961

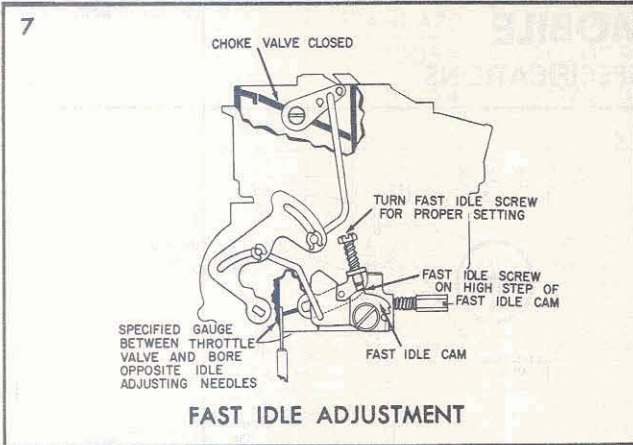


PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	STANDARD	AIR COND.	APPLICATION
	7020052	7020058	CARB. No. (Non-Crankcase Vent)
	7020954	7020956	CARB. No. (Crankcase Vent)
	7016218	7016218	REPLACEMENT PACKAGE No.
	7016257	7016257	OVERHAUL KIT
	TR-509A	TR-509A	OK KIT
	7016277	7016277	GASKET KIT
Illus. No.	AIR HORN PARTS		
1	7021988	7021988	★Gasket — Air Horn
2	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	Lever — Pump — Inside
6	7006975	7006975	Pump Shaft and Lever Assembly
7	7010424	7010424	Screw — Pump Lever
8	7016475	7016475	★Pump Assembly
9	7005032	7005032	★Clip — Pump Plunger
10	7002862	7002862	Strainer Nut
11	7001597	7001597	★Gasket — Strainer Nut
12	7000261	7000261	★Strainer — Fuel Inlet
13	7016772	7016772	Air Horn Assembly
14	7006323	7006011	Power Piston Assembly
15	7021892	7021892	Float Assembly
16	7010037	7010037	Pin — Float Hinge
17	7019932	7019932	★Needle and Seat Assembly
18	7001613	7001613	★Gasket — Needle Seat
19	7012835	7012835	Shield — Idle Vent
20	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	Screw — Idle Vent
22	7007129	7007129	Valve — Idle Vent
	CHOKE PARTS		
23	7013995	7013995	★Gasket — Choke Housing
24	7020797	7020797	Choke Housing Assembly
25	7013704	7013704	Screw — Choke Housing
26	7019477	7019477	Baffle Plate

★ OVERHAUL KIT CONTENTS

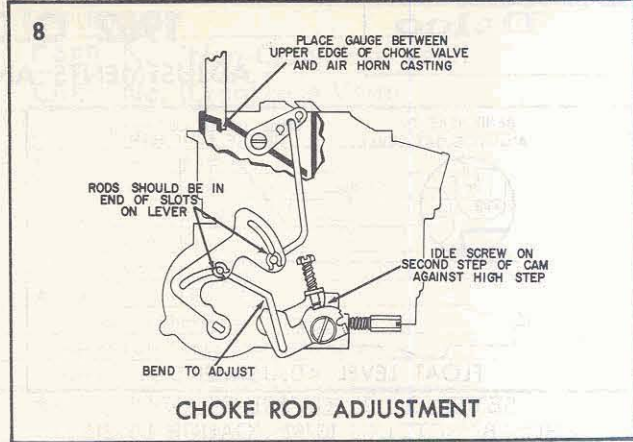
PRINTED IN CANADA



SETTING—.030", GAUGE BT-121

With the choke valve closed and the fast idle screw on the high step of the fast idle cam, place specified gauge between the throttle valve and bore opposite the idle needles. Turn the fast idle screw until gauge just drops out.

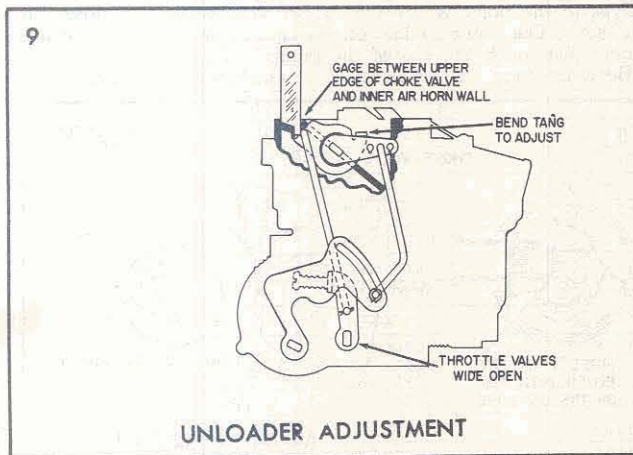
NOTE: This is a preliminary adjustment; final adjustment should be made with a tachometer and the engine running. Setting 1900 R.P.M. with fast idle screw on high step of fast idle cam.



SETTING—.150", GAUGE BT-159

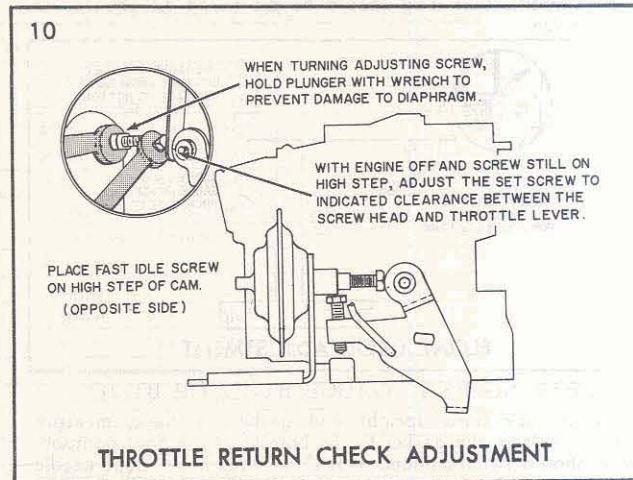
Place fast idle screw on the second step of the fast idle cam next to the high step as shown. Make sure intermediate choke rod and choke rod are in the ends of slots in the intermediate choke lever by pushing upward on lever.

Bend the choke rod until the proper gauge will just fit between the upper edge of the choke valve and air horn wall, as shown.



SETTING—.163", GAUGE BT-162

With the throttle valves held wide open, the choke valve should be open just enough to admit the proper gauge between the upper end of the choke valve and the inner air horn wall. Bend the tang on the throttle lever to adjust.



SETTING .050" USE FEELER GAUGE

Place the fast idle screw on the high step of the fast idle cam. With the engine in neutral adjust the fast idle speed to 1900 RPM. Shut engine off and with the fast idle screw on the high step of the fast idle cam adjust the plunger screw on the throttle return check to obtain a .050" clearance between the screw head and the throttle lever.

CAUTION: Always hold the plunger with a wrench while adjusting the screw to avoid damage to the diaphragm.

QUICK REFERENCE SPECIFICATIONS

YEAR	1962
ADJUSTMENTS	
FLOAT LEVEL	SEE ADJ. 1, PAGE 3
GAUGE	—
FLOAT DROP	1 3/4"
GAUGE	BT-212 OR BT-197
PUMP ROD	1-7/16"
GAUGE	BT-212 OR BT-197
IDLE VENT	1-11/32"
GAUGE	BT-212 OR BT-197
INTERMEDIATE CHOKE ROD	SEE ADJ. 5, PAGE 3
AUTOMATIC CHOKE	1-NOTCH LEAN
FAST IDLE	.030
GAUGE	BT-121
CHOKE ROD	.150
GAUGE	BT-159
UNLOADER	.163
GAUGE	BT-162
THROTTLE RETURN CHECK	.050
GAUGE	FEELER

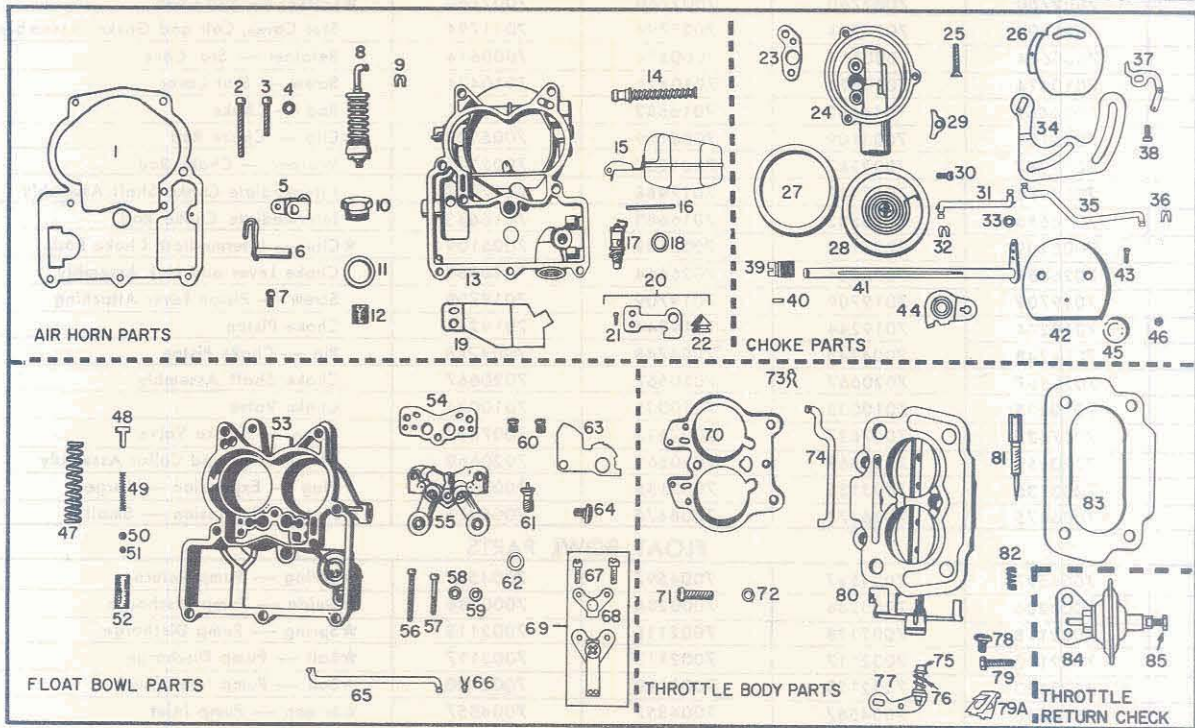
1962 TUNE-UP SPECIFICATIONS

- SPARK PLUG GAP — .030
- BREAKER POINT GAP — .016
- CAM DWELL — 30°
- IGNITION TIMING — 5° B.T.D.C.
- @ 850 R.P.M. VAC. LINE DISCONNECTED
- IDLE R.P.M. —
- SYN. — 550
- AUTO. TRANS. — 500 "DR"
- AIR COND. — Compensator Valve held Closed, Air Conditioning "OFF"
- Without idle compensator, set idle with Air Cond. "ON."
- FAST IDLE — 1900 R.P.M.

NOTE: For complete carburetor specification, refer to 9D-1 Section of the Parts and Service Manual.

Refer to Bulletin 9D-10 for basic operation and overhaul procedures.

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



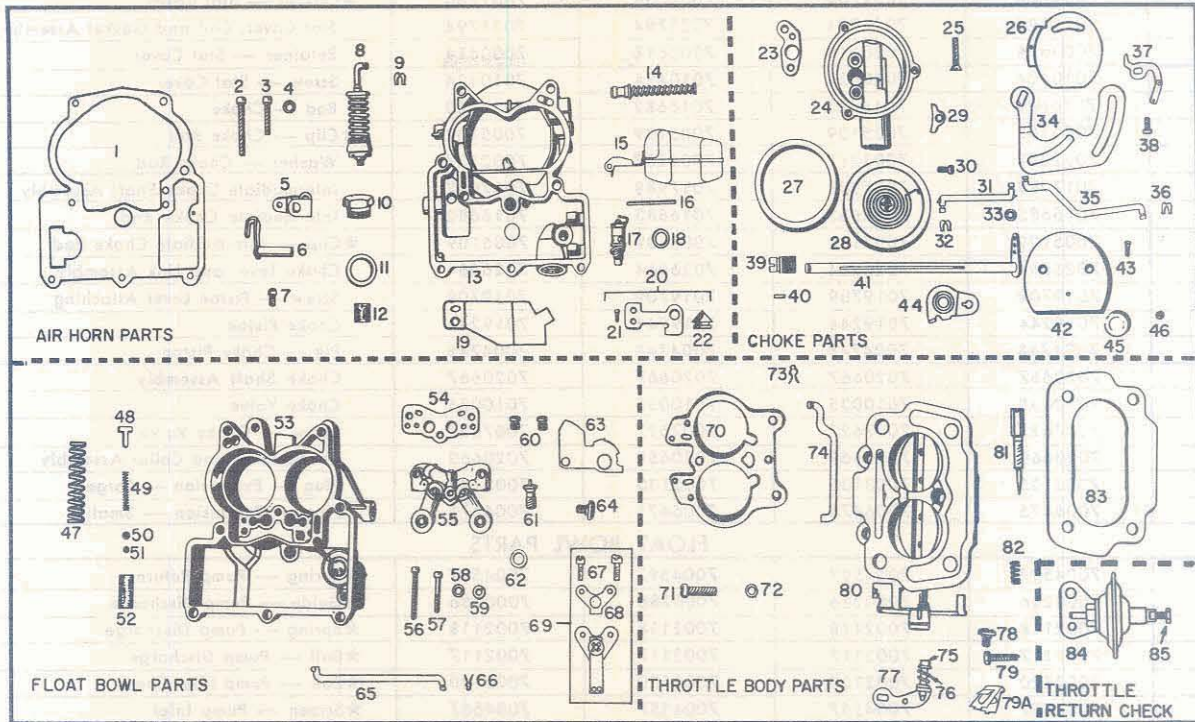
PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

ILLUS. NO.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
	22-518A	22-518A	22-524	22-518A	REPLACEMENT PACKAGE No.
	7016419	7016419	7016419	7016419	OVERHAUL KIT
	VTR-512	VTR-512	VTR-512	VTR-512	OK KIT
	40-276	40-276	40-298	40-298	GASKET SET
AIR HORN PARTS					
1	7026942	7026942	7026942	7026942	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	Lever — Pump — Inside
6	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	7011270	Screw — Pump Lever
8	7017776	7017776	7017776	7017776	★Pump Assembly
9	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
10	7002862	7002862	7013314	7013314	Strainer Nut
11	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
12	7000261	7000261	7000261	7000261	★Strainer — Fuel Inlet
13	7016772	7016772	7016772	7016772	Air Horn Assembly
14	7006323	7006011	7006323	7006011	Power Piston Assembly
15	7021891	7021891	7021891	7021891	Float Assembly
16	7010037	7010037	7010037	7010037	Pin — Float Hinge
17	30-13	30-13	30-13	30-13	★Needle and Seat Assembly
18	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
19	7012835	7012835	7012835	7012835	Shield — Idle Vent
20	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	7012548	7012548	Screw — Idle Vent
22	7007129	7007129	7007129	7007129	Valve — Idle Vent
CHOKE PARTS					
23	7013995	7013995	7013995	7013995	★Gasket — Choke Housing
24	7020797	7020797	7020797	7020797	Choke Housing Assembly
25	7013704	7013704	7013704	7013704	Screw — Choke Housing
26	7019477	7019477	7027896	7027896	Baffle Plate

Illus. No.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
CHOKE PARTS (Continued)					
27	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
28	7021794	7021794	7021794	7021794	Stat Cover, Coil and Gasket Assembly
29	7000614	7000614	7000614	7000614	Retainer — Stat Cover
30	7010424	7010424	7010424	7010424	Screw — Stat Cover
31	7016682	7016682	7016682	7016682	Rod — Choke
32	7005109	7005109	7005109	7005109	★Clip — Choke Rod
33	7002287	7002287	7002287	7002287	Washer — Choke Rod
34	7017988	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
35	7016683	7016683	7016683	7016683	Intermediate Choke Rod
36	7005109	7005109	7005109	7005109	★Clip — Intermediate Choke Rod
37	7026664	7026664	7026664	7026664	Choke Lever and Link Assembly
38	7019709	7019709	7019709	7019709	Screw — Piston Lever Attaching
39	7019244	7019244	7019244	7019244	Choke Piston
40	7004748	7004748	7004748	7004748	Pin — Choke Piston
41	7020667	7020667	7020667	7020667	Choke Shaft Assembly
42	7010035	7010035	7010035	7010035	Choke Valve
43	7007627	7007627	7007627	7007627	Screw — Choke Valve
44	7020669	7020669	7020669	7020669	Choke Lever and Collar Assembly
45	7003135	7003135	7003135	7003135	Plug — Expansion — Large
46	7006475	7006475	7006475	7006475	Plug — Expansion — Small
FLOAT BOWL PARTS					
47	7004597	7004597	7004597	7004597	★Spring — Pump Return
48	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
49	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
50	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
51	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
52	7004557	7004557	7004557	7004557	★Screen — Pump Inlet
53	7021521	7021522	7028505	7021522	Float Bowl Assembly
54	7019533	7019533	7019533	7019533	★Gasket — Venturi Cluster
55	7021516	7016267	7027760	7016267	Venturi Cluster Assembly
56	7008502	7008502	7008502	7008502	Screw — Venturi Cluster — Outer
57	7009077	7009077	7009077	7009077	Screw — Venturi Cluster — Center
58	7008892	7008892	7008892	7008892	★Gasket — Center Screw
59	120217	120217	120217	120217	Lockwasher — Outer Screws
60	7008663	7008664	7008664	7008664	Jet — Standard
61	7011989	7011989	7011989	7011989	★Power Valve Assembly
62	7011990	7011990	7011990	7011990	★Gasket — Power Valve
63	7016681	7016681	7026925	7026925	Cam — Fast Idle
64	7003561	7003561	7003561	7003561	Screw — Cam Attaching
65	7020684	7020684	7020684	7020684	Rod — Choke Unloader
66	1875293	1875293	1875293	1875293	★Clip — Unloader Rod
67	—	7015127	—	7015127	Screw — Idle Compensator
68	—	7013341	—	7013341	★Gasket — Idle Compensator
69	—	7028924	—	7028924	Idle Compensator Kit
THROTTLE BODY PARTS					
70	7015106	7015106	7015106	7015106	★Gasket — Throttle Body
71	7015105	7015105	7015105	7015105	Screw — Throttle Body
72	121744	121744	121744	121744	Lockwasher — Throttle Body Screw
73	1875293	1875293	1875293	1875293	★Clip — Pump Rod
74	7020683	7020683	7020683	7020683	Pump Rod
75	7013347	7013347	7013347	7013347	Fast Idle Screw
76	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
77	7020681	7020681	7020681	7020681	Fast Idle Lever Assembly
78	7010435	7010435	7010435	7010435	Screw — Fast Idle Lever
79	7025605	7025605	7025605	7025605	Idle Stop Screw
79A	7027845	7027845	7027845	7027845	Clip — Idle Stop Screw
80	7025513	7025514	7025513	7025514	Throttle Body Assembly
81	7013116	7013116	7013116	7013116	★Idle Needle
82	7011479	7011479	7011479	7011479	Spring — Idle Needles
83	578912	578912	578912	578912	★Gasket — Flange
THROTTLE RETURN CHECK PARTS					
84	575744	575744	575744	575744	Throttle Return Check Assembly
85	7003234	7003234	7003234	7003234	Contact Screw

★ OVERHAUL KIT CONTENTS

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



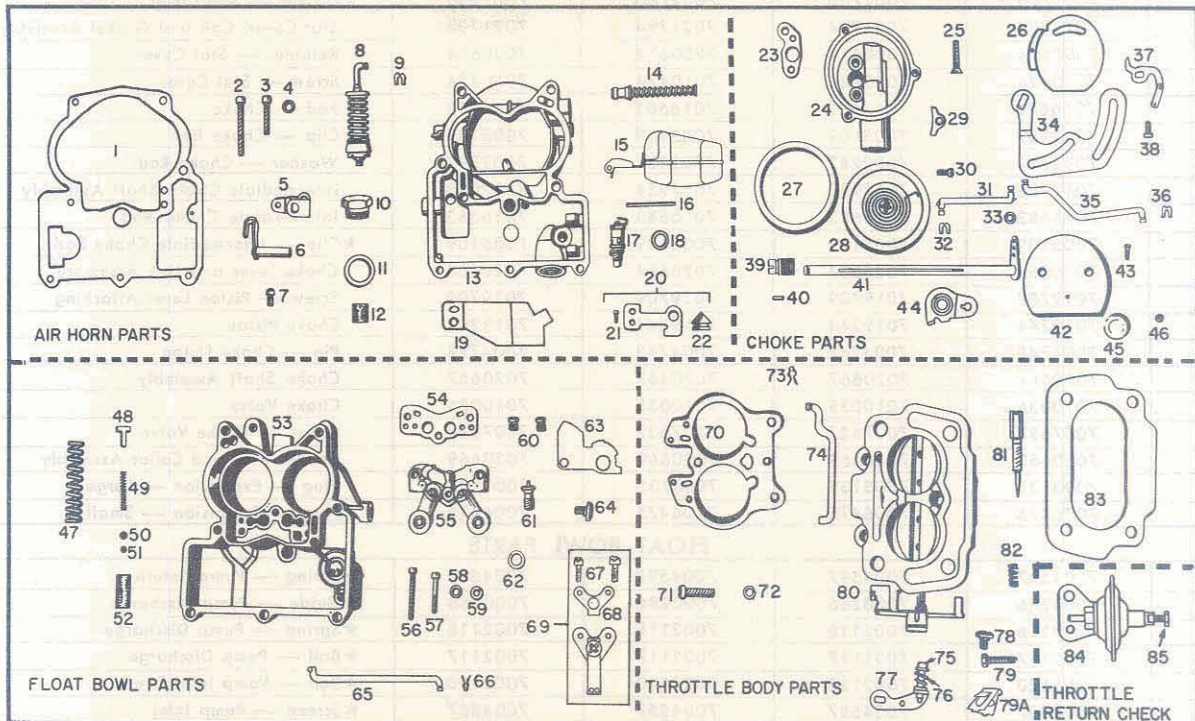
PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

Illus. No.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
	22-518A	22-518A	22-524	22-518A	REPLACEMENT PACKAGE No.
	7016419	7016419	7016419	7016419	OVERHAUL KIT
	VTR-512	VTR-512	VTR-512	VTR-512	OK KIT
	40-276	40-276	40-298	40-298	GASKET SET
AIR HORN PARTS					
1	7026942	7026942	7026942	7026942	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	Lever — Pump — Inside
6	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	7011270	Screw — Pump Lever
8	7017776	7017776	7017776	7017776	★Pump Assembly
9	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
10	7002862	7002862	7013314	7013314	Strainer Nut
11	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
12	7000261	7000261	7000261	7000261	★Strainer — Fuel Inlet
13	7016772	7016772	7016772	7016772	Air Horn Assembly
14	7006323	7006011	7006323	7006011	Power Piston Assembly
15	7021891	7021891	7021891	7021891	Float Assembly
16	7010037	7010037	7010037	7010037	Pin — Float Hinge
17	30-13	30-13	30-13	30-13	★Needle and Seat Assembly
18	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
19	7012835	7012835	7012835	7012835	Shield — Idle Vent
20	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	7012548	7012548	Screw — Idle Vent
22	7007129	7007129	7007129	7007129	Valve — Idle Vent
CHOKE PARTS					
23	7013995	7013995	7013995	7013995	★Gasket — Choke Housing
24	7020797	7020797	7020797	7020797	Choke Housing Assembly
25	7013704	7013704	7013704	7013704	Screw — Choke Housing
26	7019477	7019477	7027896	7027896	Baffle Plate

Illus. No.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
CHOKE PARTS (Continued)					
27	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
28	7021794	7021794	7021794	7021794	Stat Cover, Coil and Gasket Assembly
29	7000614	7000614	7000614	7000614	Retainer — Stat Cover
30	7010424	7010424	7010424	7010424	Screw — Stat Cover
31	7016682	7016682	7016682	7016682	Rod — Choke
32	7005109	7005109	7005109	7005109	★Clip — Choke Rod
33	7002287	7002287	7002287	7002287	Washer — Choke Rod
34	7017988	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
35	7016683	7016683	7016683	7016683	Intermediate Choke Rod
36	7005109	7005109	7005109	7005109	★Clip — Intermediate Choke Rod
37	7026664	7026664	7026664	7026664	Choke Lever and Link Assembly
38	7019709	7019709	7019709	7019709	Screw — Piston Lever Attaching
39	7019244	7019244	7019244	7019244	Choke Piston
40	7004748	7004748	7004748	7004748	Pin — Choke Piston
41	7020667	7020667	7020667	7020667	Choke Shaft Assembly
42	7010035	7010035	7010035	7010035	Choke Valve
43	7007627	7007627	7007627	7007627	Screw — Choke Valve
44	7020669	7020669	7020669	7020669	Choke Lever and Collar Assembly
45	7003135	7003135	7003135	7003135	Plug — Expansion — Large
46	7006475	7006475	7006475	7006475	Plug — Expansion — Small
FLOAT BOWL PARTS					
47	7004597	7004597	7004597	7004597	★Spring — Pump Return
48	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
49	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
50	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
51	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
52	7004557	7004557	7004557	7004557	★Screen — Pump Inlet
53	7021521	7021522	7028505	7021522	Float Bowl Assembly
54	7019533	7019533	7019533	7019533	★Gasket — Venturi Cluster
55	7021516	7016267	7027760	7016267	Venturi Cluster Assembly
56	7008502	7008502	7008502	7008502	Screw — Venturi Cluster — Outer
57	7009077	7009077	7009077	7009077	Screw — Venturi Cluster — Center
58	7008892	7008892	7008892	7008892	★Gasket — Center Screw
59	120217	120217	120217	120217	Lockwasher — Outer Screws
60	7008663	7008664	7008664	7008664	Jet — Standard
61	7011989	7011989	7011989	7011989	★Power Valve Assembly
62	7011990	7011990	7011990	7011990	★Gasket — Power Valve
63	7016681	7016681	7026925	7026925	Cam — Fast Idle
64	7003561	7003561	7003561	7003561	Screw — Cam Attaching
65	7020684	7020684	7020684	7020684	Rod — Choke Unloader
66	1875293	1875293	1875293	1875293	★Clip — Unloader Rod
67	—	7015127	—	7015127	Screw — Idle Compensator
68	—	7013341	—	7013341	★Gasket — Idle Compensator
69	—	7028924	—	7028924	Idle Compensator Kit
THROTTLE BODY PARTS					
70	7015106	7015106	7015106	7015106	★Gasket — Throttle Body
71	7015105	7015105	7015105	7015105	Screw — Throttle Body
72	121744	121744	121744	121744	Lockwasher — Throttle Body Screw
73	1875293	1875293	1875293	1875293	★Clip — Pump Rod
74	7020683	7020683	7020683	7020683	Pump Rod
75	7013347	7013347	7013347	7013347	Fast Idle Screw
76	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
77	7020681	7020681	7020681	7020681	Fast Idle Lever Assembly
78	7010435	7010435	7010435	7010435	Screw — Fast Idle Lever
79	7025605	7025605	7025605	7025605	Idle Stop Screw
79A	7027845	7027845	7027845	7027845	Clip — Idle Stop Screw
80	7025513	7025514	7025513	7025514	Throttle Body Assembly
81	7013116	7013116	7013116	7013116	★Idle Needle
82	7011479	7011479	7011479	7011479	Spring — Idle Needles
83	578912	578912	578912	578912	★Gasket — Flange
THROTTLE RETURN CHECK PARTS					
84	575744	575744	575744	575744	Throttle Return Check Assembly
85	7003234	7003234	7003234	7003234	Contact Screw

★ OVERHAUL KIT CONTENTS

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

Illustr. No.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
	22-518A	22-518A	22-524	22-518A	REPLACEMENT PACKAGE No.
	7016419	7016419	7016419	7016419	OVERHAUL KIT
	VTR-512	VTR-512	VTR-512	VTR-512	OK KIT
	40-276	40-276	40-298	40-298	GASKET SET
AIR HORN PARTS					
1	7026942	7026942	7026942	7026942	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	Lever — Pump — Inside
6	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	7011270	Screw — Pump Lever
8	7017776	7017776	7017776	7017776	★Pump Assembly
9	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
10	7002862	7002862	7013314	7013314	Strainer Nut
11	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
12	7000261	7000261	7000261	7000261	★Strainer — Fuel Inlet
13	7016772	7016772	7016772	7016772	Air Horn Assembly
14	7006323	7006011	7006323	7006011	Power Piston Assembly
15	7021891	7021891	7021891	7021891	Float Assembly
16	7010037	7010037	7010037	7010037	Pin — Float Hinge
17	30-13	30-13	30-13	30-13	★Needle and Seat Assembly
18	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
19	7012835	7012835	7012835	7012835	Shield — Idle Vent
20	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	7012548	7012548	Screw — Idle Vent
22	7007129	7007129	7007129	7007129	Valve — Idle Vent
CHOKE PARTS					
23	7013995	7013995	7013995	7013995	★Gasket — Choke Housing
24	7020797	7020797	7020797	7020797	Choke Housing Assembly
25	7013704	7013704	7013704	7013704	Screw — Choke Housing
26	7019477	7019477	7027896	7027896	Baffle Plate

Illus. No.	1963		1964		YEAR
	STANDARD	AIR COND.	STANDARD	AIR COND.	APPLICATION
	7023052	7023053	7024052	7024053	CARBURETOR No.
CHOKE PARTS (Continued)					
27	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
28	7021794	7021794	7021794	7021794	Stat Cover, Coil and Gasket Assembly
29	7000614	7000614	7000614	7000614	Retainer — Stat Cover
30	7010424	7010424	7010424	7010424	Screw — Stat Cover
31	7016682	7016682	7016682	7016682	Rod — Choke
32	7005109	7005109	7005109	7005109	★Clip — Choke Rod
33	7002287	7002287	7002287	7002287	Washer — Choke Rod
34	7017988	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
35	7016683	7016683	7016683	7016683	Intermediate Choke Rod
36	7005109	7005109	7005109	7005109	★Clip — Intermediate Choke Rod
37	7026664	7026664	7026664	7026664	Choke Lever and Link Assembly
38	7019709	7019709	7019709	7019709	Screw — Piston Lever Attaching
39	7019244	7019244	7019244	7019244	Choke Piston
40	7004748	7004748	7004748	7004748	Pin — Choke Piston
41	7020667	7020667	7020667	7020667	Choke Shaft Assembly
42	7010035	7010035	7010035	7010035	Choke Valve
43	7007627	7007627	7007627	7007627	Screw — Choke Valve
44	7020669	7020669	7020669	7020669	Choke Lever and Collar Assembly
45	7003135	7003135	7003135	7003135	Plug — Expansion — Large
46	7006475	7006475	7006475	7006475	Plug — Expansion — Small
FLOAT BOWL PARTS					
47	7004597	7004597	7004597	7004597	★Spring — Pump Return
48	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
49	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
50	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
51	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
52	7004557	7004557	7004557	7004557	★Screen — Pump Inlet
53	7021521	7021522	7028505	7021522	Float Bowl Assembly
54	7019533	7019533	7019533	7019533	★Gasket — Venturi Cluster
55	7021516	7016267	7027760	7016267	Venturi Cluster Assembly
56	7008502	7008502	7008502	7008502	Screw — Venturi Cluster — Outer
57	7009077	7009077	7009077	7009077	Screw — Venturi Cluster — Center
58	7008892	7008892	7008892	7008892	★Gasket — Center Screw
59	120217	120217	120217	120217	Lockwasher — Outer Screws
60	7008663	7008664	7008664	7008664	Jet — Standard
61	7011989	7011989	7011989	7011989	★Power Valve Assembly
62	7011990	7011990	7011990	7011990	★Gasket — Power Valve
63	7016681	7016681	7026925	7026925	Cam — Fast Idle
64	7003561	7003561	7003561	7003561	Screw — Cam Attaching
65	7020684	7020684	7020684	7020684	Rod — Choke Unloader
66	1875293	1875293	1875293	1875293	★Clip — Unloader Rod
67	—	7015127	—	7015127	Screw — Idle Compensator
68	—	7013341	—	7013341	★Gasket — Idle Compensator
69	—	7028924	—	7028924	Idle Compensator Kit
THROTTLE BODY PARTS					
70	7015106	7015106	7015106	7015106	★Gasket — Throttle Body
71	7015105	7015105	7015105	7015105	Screw — Throttle Body
72	121744	121744	121744	121744	Lockwasher — Throttle Body Screw
73	1875293	1875293	1875293	1875293	★Clip — Pump Rod
74	7020683	7020683	7020683	7020683	Pump Rod
75	7013347	7013347	7013347	7013347	Fast Idle Screw
76	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
77	7020681	7020681	7020681	7020681	Fast Idle Lever Assembly
78	7010435	7010435	7010435	7010435	Screw — Fast Idle Lever
79	7025605	7025605	7025605	7025605	Idle Stop Screw
79A	7027845	7027845	7027845	7027845	Clip — Idle Stop Screw
80	7025513	7025514	7025513	7025514	Throttle Body Assembly
81	7013116	7013116	7013116	7013116	★Idle Needle
82	7011479	7011479	7011479	7011479	Spring — Idle Needles
83	578912	578912	578912	578912	★Gasket — Flange
THROTTLE RETURN CHECK PARTS					
84	575744	575744	575744	575744	Throttle Return Check Assembly
85	7003234	7003234	7003234	7003234	Contact Screw

★ OVERHAUL KIT CONTENTS

Delco Rochester

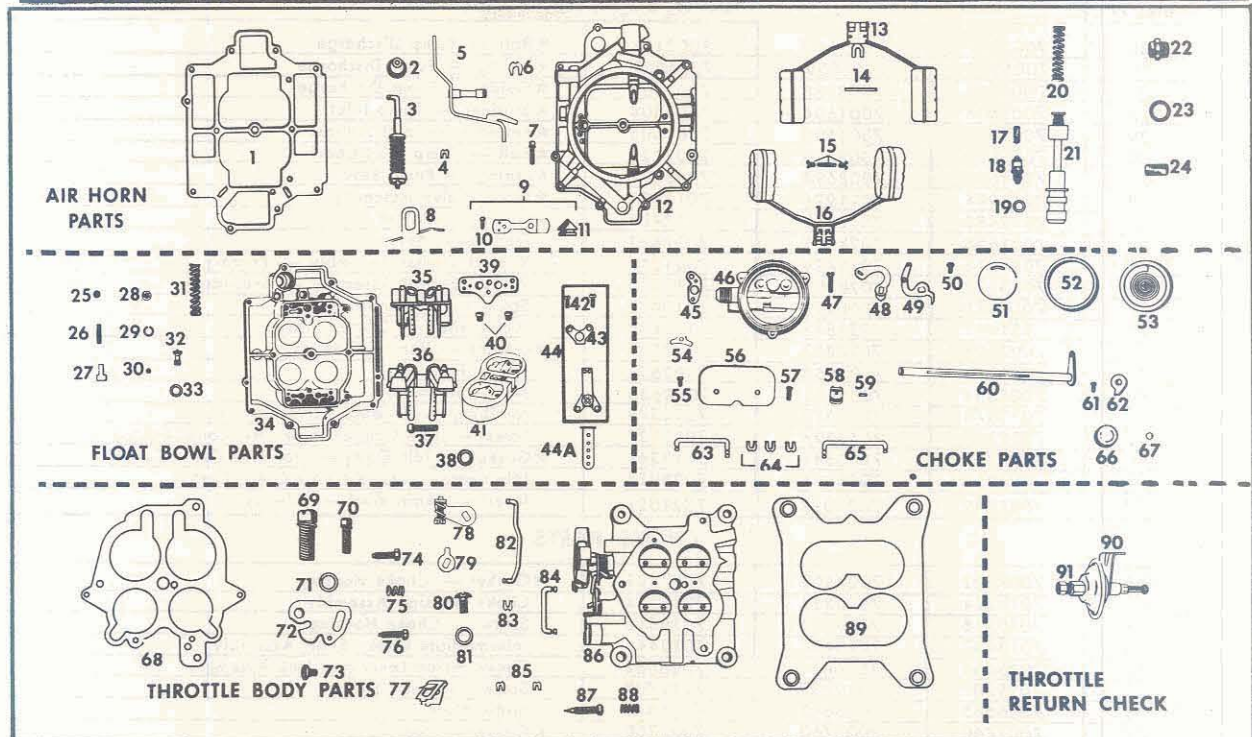
MODEL 4GC CARBURETORS

1963-64 OLDSMOBILE

HYDRAMATIC AND SYNCHROMESH

BULLETIN 9C-520
 DATE: OCTOBER, 1963
 PAGE 1
 REPLACES ALL PAGES OF:
 9C-520, OCT., 1962

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-4



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	1963		1964		YEAR
	ALL	CALIFORNIA ONLY	OTHER	OTHER	APPLICATION
	7023050	7024154	7024050	7024050	STANDARD CARBURETOR No.
	7023051	7024153	7024051	7024051	AIR CONDITIONED CARBURETOR No.
	24-508B	24-516	24-508B	24-508B	REPLACEMENT PACKAGE No.
	7016439	7016439	7016439	7016439	OVERHAUL KIT
	VFR-507A	VFR-507A	VFR-507A	VFR-507A	OK KIT
	40-297	40-297	40-297	40-297	GASKET SET
	7015869	7015869	7015869	7015869	ALTITUDE KIT

Illus No.	AIR HORN PARTS				
1	7026876	7026876	7026876	7026876	★Gasket — Air Horn
2	7006372	7006372	7006372	7006372	★Boot — Pump Plunger
3	7022992	7022992	7022992	7022992	★Pump Assembly
4	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
5	7013430	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	7007616	★Clip — Pump Shaft
7	7000249	7000249	7000249	7000249	Screw — Air Horn
8	7012520	7012520	7012520	7012520	Shield — Idle Vent Valve
9	7012188	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	7012548	Screw — Idle Vent Valve
11	7007129	7007129	7007129	7007129	Idle Vent Valve
12	7019645	7019645	7019645	7019645	Air Horn Assembly
13	7011945	7011945	7011945	7011945	Primary Float Assembly
14	7001595	7001595	7001595	7001595	Pin — Float Hinge
15	7001850	7001850	7001850	7001850	★Float Balance Spring Assembly (Secondary Only)
16	7012148	7012148	7012148	7012148	Secondary Float Assembly
17	7006079	7006079	7006079	7006079	Strainer — Needle Seat
18	30-11	30-11	30-11	30-11	★Needle and Seat Assembly — Primary
18	30-7	30-7	30-7	30-7	★Needle and Seat Assembly — Secondary
19	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
20	7012515	7012515	7012515	7012515	Spring — Power Piston
21	7011947	7011947	7011947	7011947	Power Piston Assembly
22	7002862	7002862	7002862	7002862	Strainer Nut
23	7001597	7001597	7001597	7001597	★Gasket — Strainer Nut
24	7003083	7003083	7003083	7003083	★Strainer — Fuel Inlet

	1963	1964		YEAR
	ALL	CALIFORNIA ONLY	OTHER	APPLICATION
	7023050	7024154	7024050	STANDARD CARBURETOR No.
	7023051	7024153	7024051	AIR CONDITIONED CARBURETOR No.

Illus. No.	FLOAT BOWL PARTS			
25	7002117	7002117	7002117	★Ball — Pump Discharge
26	7006059	7006059	7006059	★Spring — Pump Discharge
27	7003838	7003838	7003838	★Guide — Pump Discharge
28	7001604	7001604	7001604	★Strainer — Pump Inlet
29	7001605	7001605	7001605	★Retainer — Inlet Strainer
30	7002120	7002120	7002120	★Ball — Pump Inlet Check
31	7008694	7008694	7008694	★Spring — Pump Return
32	7011994	7011994	7011994	★Power Valve Assembly
33	7012488	7012488	7012488	★Gasket — Power Valve
34	7021658	7028926	7027822	Float Bowl Assembly
35	7021214	7028734	7021214	Venturi Cluster Assembly — Primary
36	7013475	7028735	7013475	Venturi Cluster Assembly — Secondary
37	7010421	7010421	7010421	Screw — Cluster Attaching
38	121841	121841	121841	Lockwasher — Cluster Screws
39	7007803	7007803	7007803	★Gasket — Venturi Clusters
40	7002654	7002652	7002654	Jet — Primary
40	7008684	7008683	7008680	Jet — Secondary
41	7012578	7012578	7012578	Auxiliary — Throttle Valve Assembly
42	7015127	7015127	7015127	Screw — Idle Compensator (Air Cond. Carbs)
43	7013341	7013341	7013341	★Gasket — Idle Compensator (Air Cond. Carbs)
44	7028924	7028924	7028924	Idle Compensator Kit (Air Cond. Carbs)
44A	7021029	7021029	7021029	Insert — Main Well — Primary

CHOKE PARTS

45	7007502	7007502	7007502	★Gasket — Choke Housing
46	7013224	7013224	7013224	Choke Housing Assembly
47	7019516	7019516	7019516	Screw — Choke Housing
48	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7026664	7026664	7026664	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	Screw — Piston Lever
51	7006643	7006643	7006643	Baffle Plate
52	7002760	7002760	7002760	★Gasket — Stat Cover
53	7013602	7013602	7013602	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	Retainer — Stat Cover
55	7010424	7010424	7010424	Screw — Stat Cover
56	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	Screw — Choke Valve
58	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	Pin — Choke Piston
60	7013828	7013828	7013828	Choke Shaft Assembly
61	7019709	7019709	7019709	Screw — Trip Lever
62	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	Rod — Intermediate Choke
64	7005109	7005109	7005109	★Clip — Intermediate and Choke Rods
65	7013432	7013432	7013432	Rod — Choke
66	7003135	7003135	7003135	Plug — Expansion
67	7002814	7002814	7002814	Plug — Lead Ball

THROTTLE BODY PARTS

68	7028569	7028569	7028569	★Gasket — Throttle Body
69	7004324	7004324	7004324	Screw — Throttle Body — Large
70	7015105	7015105	7015105	Screw — Throttle Body — Small
71	121744	121744	121744	Lockwasher — Small Screws
72	7013433	7026921	7026921	Cam — Fast Idle
73	7003561	7003561	7003561	Screw — Cam Attaching
74	7011546	7011546	7011546	Fast Idle Screw
75	7001690	7001690	7001690	Spring — Fast Idle Screw
76	7025605	7025605	7025605	Idle Stop Screw
77	7027845	7027845	7027845	Clip — Idle Stop Screw
78	7026868	7026868	7026868	Fast Idle Lever Assembly
79	7013436	7013436	7013436	Lever — Secondary Lockout
80	7010435	7010435	7010435	Screw — Fast Idle and Secondary Lockout Levers
81	7010354	7010354	7010354	Washer—Spacer—Fast Idle and Sec. Lockout Levers
82	7028587	7028587	7028587	Rod — Pump
83	7005032	7005032	7005032	★Clip — Pump Rod
84	7000241	7000241	7000241	Link — Secondary Lever
85	7005032	7005032	7005032	★Clip — Secondary Lever Link
86	7025512	7028697	7025512	Throttle Body Assembly
87	7013116	7013116	7013116	★Idle Needle
88	7011479	7011479	7011479	Spring — Idle Needle
89	573280	573280	573280	★Gasket — Flange

THROTTLE RETURN CHECK PARTS HYDRAMATIC

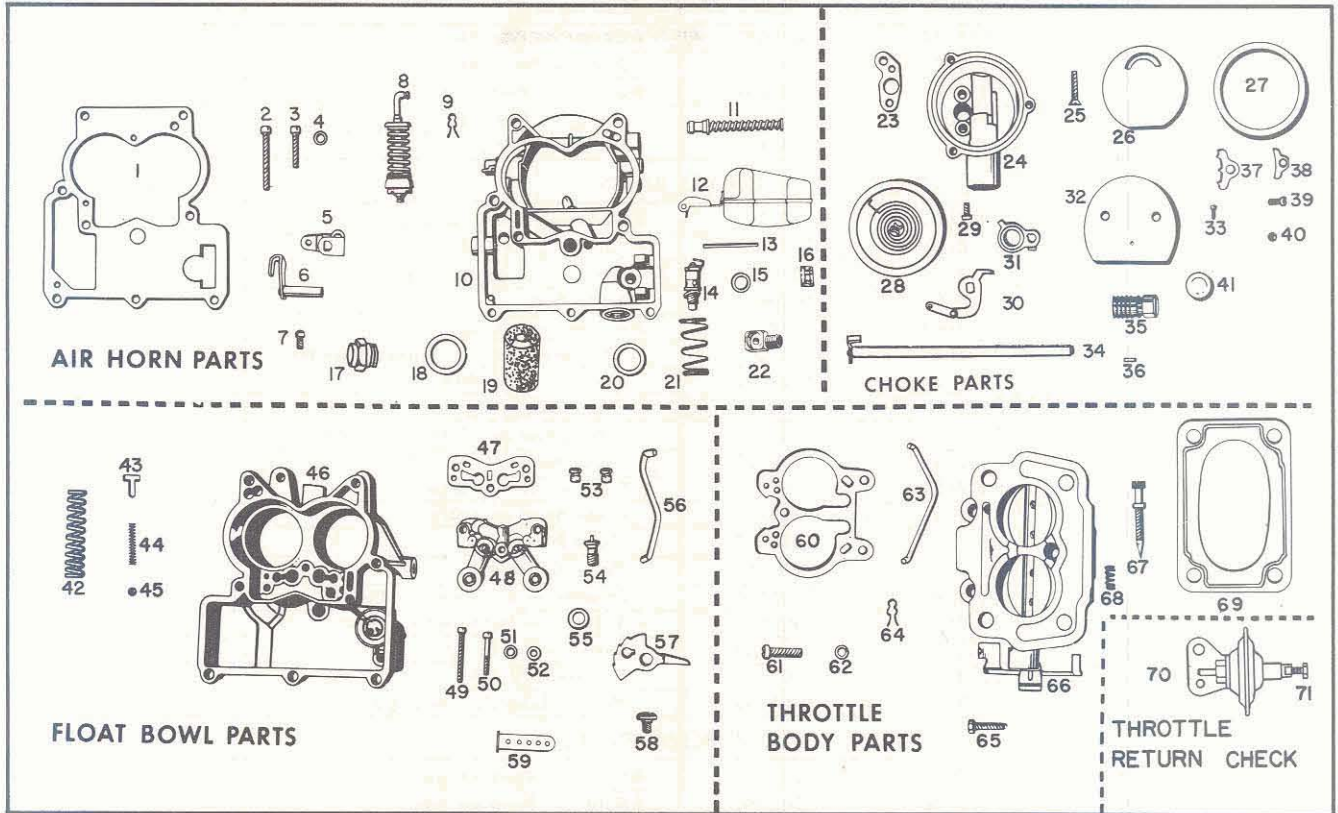
90	577287	577287	577287	Throttle Return Check Assembly
91	7006308	7006308	7006308	Contact Screw

★ OVERHAUL KIT CONTENTS

Delco Rochester

MODEL 2GC CARBURETORS

1963 OLDSMOBILE "F-85"



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

AUTO. TRANS.	SYNCHROMESH	APPLICATION
7023056	7023058	CARBURETOR No.
22-522	22-523	REPLACEMENT PACKAGE No.
7016355	7016355	OVERHAUL KIT
TR-513	TR-513	OK KIT (STEEL)
VTR-513	VTR-513	OK KIT (NEO-TIP)
7016356	7016356	GASKET SET
7020090	7020090	CARB-AIRATOR

Illus. No.	AIR HORN PARTS		
1	7021008	7021008	★Gasket — Air Horn
2	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	Lever — Pump — Inside
6	7019377	7017506	Pump Shaft and Lever Assembly
7	7010424	7010424	Screw — Pump Lever
8	7019162	7019162	★Pump Assembly
9	1875293	1875293	★Clip — Pump Plunger
10	7025760	7025760	Air Horn Assembly
11	7006323	7006323	Power Piston Assembly
12	7012974	7012974	Float Assembly
13	7002081	7002081	Pin — Float Hinge
14	7021991	7021991	★Needle and Seat Assembly
15	7019535	7019535	★Gasket — Needle Seat
16	—	—	★Strainer — Needle Seat
17	7019181	7019181	Nut — Fuel Inlet Filter

	AUTO. TRANS.	SYNCHROMESH	APPLICATION
	7023056	7023058	CARBURETOR No.
Illus. No.	AIR HORN PARTS (Continued)		
18	7010010	7010010	★Gasket — Filter Nut
19	7013404	7013404	Filter — Fuel Inlet
20	7013584	7013584	★Gasket — Fuel Filter
21	7010007	7010007	Spring — Fuel Filter
22	137422	137422	Fuel Inlet Fitting
CHOKE PARTS			
23	7007502	7007502	★Gasket — Choke Housing
24	7020601	7020601	Choke Housing Assembly
25	7019516	7019516	Screw — Choke Housing
26	7020604	7020604	Baffle Plate
27	7002760	7002760	★Gasket — Stat Cover
28	7021541	7021541	Stat Cover, Coil and Gasket Assembly
29	7019709	7019709	Screw — Choke Piston Lever
30	7022990	7010051	Choke Piston Lever
31	7021793	7021793	Choke Lever and Collar Assembly
32	7000255	7000255	Choke Valve
33	7007627	7007627	Screw — Choke Valve
34	7022988	7022988	Choke Shaft Assembly
35	7012610	7012610	Choke Piston
36	7010746	7010746	Pin — Choke Piston
37	7006846	7006846	Retainer — Stat Cover — Toothed
38	7000614	7000614	Retainer — Stat Cover — Plain
39	7010424	7010424	Screw — Stat Cover
40	7002814	7002814	Plug — Lead Ball
41	7003135	7003135	Plug — Expansion — Large
FLOAT BOWL PARTS			
42	7002101	7002101	★Spring — Pump Return
43	7000286	7000286	★Guide — Pump Discharge
44	7002118	7002118	★Spring — Pump Discharge
45	7002117	7002117	★Ball — Pump Discharge
46	7021975	7021975	Float Bowl Assembly
47	7019911	7019911	★Gasket — Venturi Cluster
48	7021625	7021632	Venturi Cluster Assembly
49	7000293	7000293	Screw — Cluster — Outer
50	7000294	7000294	Screw — Cluster — Center
51	121841	121841	Lockwasher — Outer Screws
52	7000295	7000295	★Gasket — Center Screw
53	7002947	7002947	Jet — Standard
54	7006331	7006331	★Power Valve Assembly
55	7001613	7001613	★Gasket — Power Valve
56	7017519	7017519	Choke Rod
57	7017771	7017783	Cam — Fast Idle
58	7019773	7019773	Screw — Cam Attaching
59	7021528	7021528	Insert — Main Well
THROTTLE BODY PARTS			
60	7021933	7021933	★Gasket — Throttle Body
61	7015105	7015105	Screw — Throttle Body
62	121744	121744	Lockwasher — Throttle Body Screws
63	7019384	7017518	Pump Rod
64	1875293	1875293	★Clip — Pump Rod
65	7013347	7006213	Idle Stop Screw
66	7021542	7019701	Throttle Body Assembly
67	7013116	7013116	★Idle Needle
68	7003190	7003190	Spring — Idle Needle
69	586448	586448	★Flange Gasket
70	7020092	—	Throttle Return Check Assembly
71	7019383	—	Contact Screw

★ OVERHAUL KIT CONTENTS

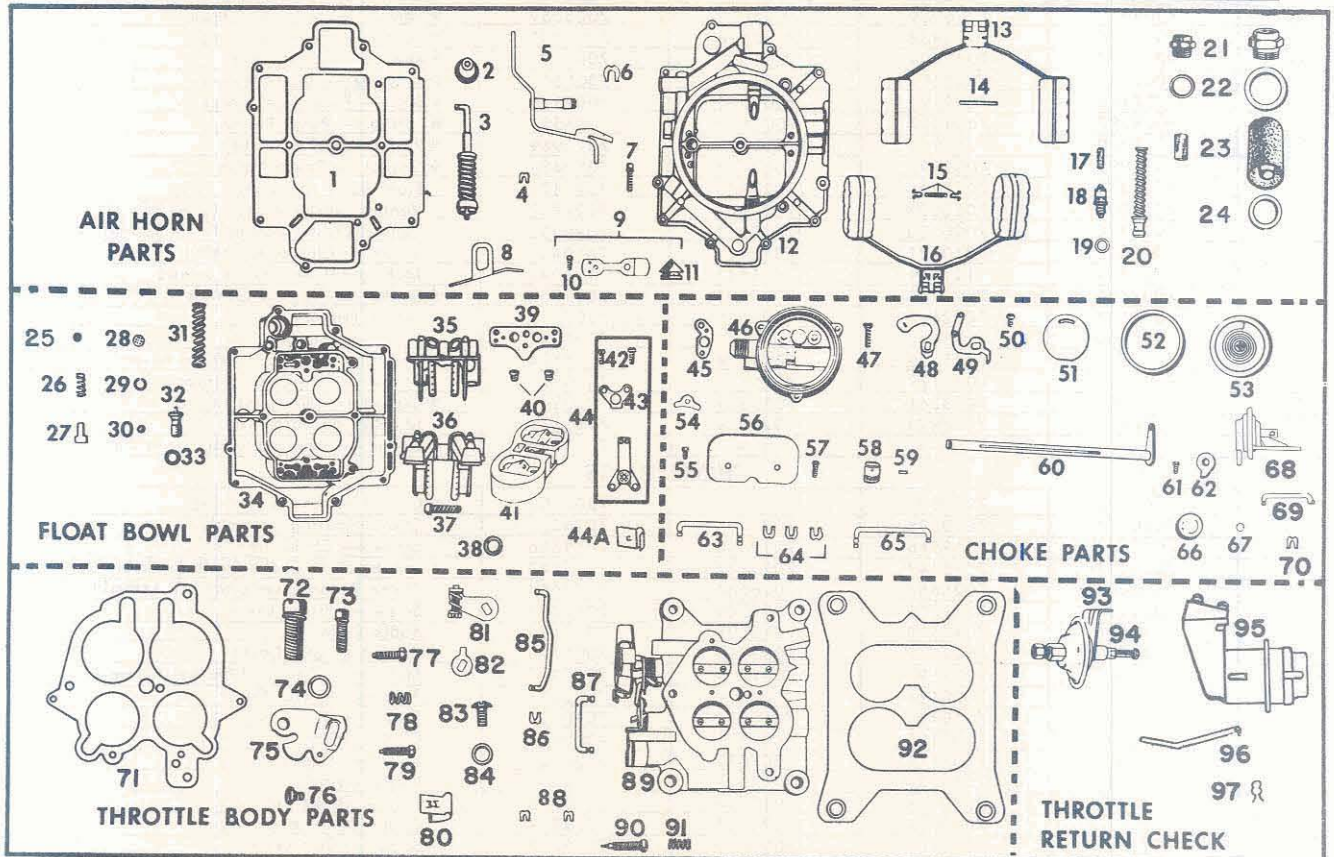
Delco Rochester

MODEL 4GC CARBURETORS

1963-64 OLDS F-85 & 1964 JETSTAR

215 AND 330 CUBIC INCH ENGINES

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-4



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

1963		1964		YEAR
AUTO. TRANS.	SYNCHROMESH	AUTO. TRANS.	SYNCHROMESH	APPLICATION
7023054	7023055	7024054	7024055	CARBURETOR No.
24-512	24-513	24-514	24-515	REPLACEMENT PACKAGE No.
7016278	7016278	7016451	7016451	OVERHAUL KIT
VFR-508	VFR-508	VFR-509	VFR-509	OK KIT
40-277	40-277	40-299	40-299	GASKET SET

Illus. No.	AIR HORN PARTS				
1	7015136	7015136	7026876	7026876	★Gasket — Air Horn
2	7006372	7006372	7006372	7006372	★Boot — Pump Plunger
3	7022978	7022978	7022978	7022978	★Pump Assembly
4	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
5	7013430	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	7007616	★Clip — Pump Shaft
7	7000249	7000249	7000249	7000249	Screw — Air Horn
8	7012520	7012520	7012520	7012520	Shield — Vent Valve
9	7012188	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	7012548	Screw — Idle Vent Valve
11	7007129	7007129	7007129	7007129	Idle Vent Valve
12	7025911	7025911	7027869	7027869	Air Horn Assembly
13	7012148	7012148	7012148	7012148	Primary Float Assembly
14	7001595	7001595	7001595	7001595	Pin — Float Hinge
15	7001850	7001850	7001850	7001850	★Float Balance Spring Assembly
16	7012148	7012148	7012148	7012148	Secondary Float Assembly
17	7006079	7006079	7006079	7006079	★Strainer — Needle Seat
18	30-11	30-11	30-11	30-11	★Needle and Seat Assembly — Primary
18	30-7	30-7	30-7	30-7	★Needle and Seat Assembly — Secondary
19	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
20	7025738	7025738	7025738	7025738	Power Piston Assembly
21	7002862	7002862	7013525	7013525	Strainer Nut
22	7001597	7001597	7010010	7010010	★Gasket — Strainer Nut
23	7003083	7003083	7013404	7013404	★Strainer — Fuel Inlet
24	—	—	7013584	7013584	★Gasket — Filter

Illus. No.	1963		1964		YEAR
	AUTO. TRANS.	SYNCHROMESH	AUTO. TRANS.	SYNCHROMESH	APPLICATION
	7023054	7023055	7024054	7024055	CARBURETOR No.
FLOAT BOWL PARTS					
25	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
26	7006059	7006059	7006059	7006059	★Spring — Pump Discharge
27	7003838	7003838	7003838	7003838	★Guide — Pump Discharge
28	7001604	7001604	7001604	7001604	★Strainer — Pump Inlet
29	7001605	7001605	7001605	7001605	★Retainer — Inlet Strainer
30	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
31	7004597	7004597	7004597	7004597	★Spring — Pump Return
32	7011989	7011989	7011989	7011989	★Power Valve Assembly
33	7011990	7011990	7012488	7012488	★Gasket — Power Valve
34	7027825	7027825	7027870	7027871	Float Bowl Assembly
35	7020323	7020323	7027662	7027857	Venturi Cluster Assembly — Primary
36	7020320	7020320	7020320	7020320	Venturi Cluster Assembly — Secondary
37	7010421	7010421	7010421	7010421	Screw — Cluster Attaching
38	121841	121841	121841	121841	Lockwasher — Cluster Screws
39	7007803	7007803	7007803	7007803	★Gasket — Venturi Clusters
40	7002643	7002643	7002656	7002657	Jet — Primary
40	7008660	7008660	7008678	7008680	Jet — Secondary
41	7025725	7025725	7015174	7015174	Auxiliary — Throttle Valve Assembly
42	7015127	7015127	7015127	7015127	Screw — Idle Compensator
43	7013341	7013341	7013341	7013341	★Gasket — Idle Compensator
44	7028924	7028924	7028924	7028924	Idle Compensator Kit
44A	—	—	—	7019644	Baffle — Main Metering — Primary
CHOKE PARTS					
45	7007502	7007502	7007502	7007502	★Gasket — Choke Housing
46	7020398	7020398	7026864	7026864	Choke Housing Assembly
47	7019516	7019516	7019516	7019516	Screw — Choke Housing
48	7013447	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7026664	7026664	7026664	7026664	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	7019709	Screw — Piston Lever
51	7010598	7010598	7010598	7010598	Baffle Plate
52	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
53	7021597	7021597	7027872	7027872	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	7000614	Retainer — Stat Cover
55	7010424	7010424	7010424	7010424	Screw — Stat Cover
56	7000191	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	7007627	Screw — Choke Valve
58	7015332	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	7010746	Pin — Choke Piston
60	7013828	7013828	7022981	7022981	Choke Shaft Assembly
61	7019709	7019709	7019709	7019709	Screw — Trip Lever
62	7000196	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	7013853	Rod — Intermediate Choke
64	7005109	7005109	7005109	7005109	★Clip — Intermediate and Choke Rods
65	7021963	7021963	7026418	7026418	Rod — Choke
66	7003135	7003135	7003135	7003135	Plug — Expansion
67	7002814	7002814	7002814	7002814	Plug — Lead Ball
68	—	—	7023093	7023093	Vacuum Break Control Assembly
69	—	—	7022983	7022983	Link — Control Assembly
70	—	—	7005109	7005109	★Clip — Control Link
THROTTLE BODY PARTS					
71	7021639	7021639	7013580	7013580	★Gasket — Throttle Body
72	7004324	7004324	7004324	7004324	Screw — Throttle Body — Large
73	7015105	7015105	7015105	7015105	Screw — Throttle Body — Small
74	121744	121744	121744	121744	Lockwasher — Small Screws
75	7021464	7021464	7026921	7026921	Cam — Fast Idle
76	7003561	7003561	7003561	7003561	Screw — Cam Attaching
77	7011546	7011546	7011546	7011546	Fast Idle Screw
78	7001690	7001690	7001690	7001690	Spring — Fast Idle Screw
79	7025605	7025605	7025605	7025605	Idle Stop Screw
80	7027845	7027845	7027845	7027845	Clip — Idle Stop Screw
81	7022601	7022601	7026868	7026868	Fast Idle Lever Assembly
82	7013436	7013436	7013436	7013436	Lever — Secondary Lockout
83	7010435	7010435	7010435	7010435	Screw — Fast Idle and Sec. Lockout Levers
84	7010354	7010354	7010354	7010354	Washer—Spacer—Fast Idle & Sec. Lock. Levers
85	7028587	7028587	7028587	7028587	Rod — Pump
86	7005032	7005032	7005032	7005032	★Clip — Pump Rod
87	7010352	7010352	7010352	7010352	Link — Secondary Lever
88	7005032	7005032	7005032	7005032	★Clip — Secondary Lever Link
89	7025515	7025516	7028730	7028730	Throttle Body Assembly
90	7013116	7013116	7013116	7013116	★Idle Needle
91	7011479	7011479	7011479	7011479	Spring — Idle Needle
92	583319	583319	573280	573280	★Gasket — Flange
THROTTLE RETURN CHECK PARTS					
93	577287	—	—	—	Throttle Return Check Assembly
94	7006308	—	—	—	Contact Screw
95	7022565	—	—	—	Throttle Retard Unit
96	7022568	—	—	—	Link — Throttle Retard
97	836159	—	—	—	Clip — Retard Link



Delco Rochester

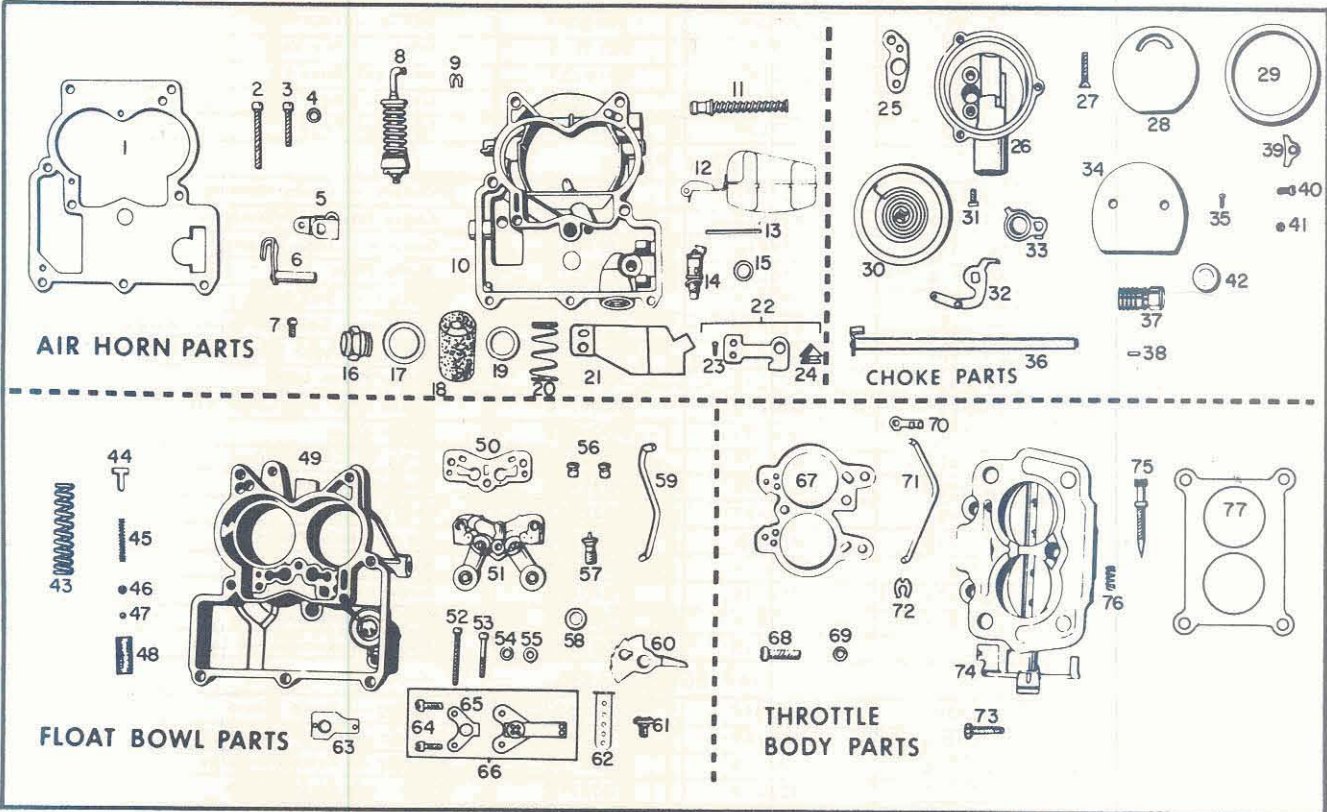
MODEL 2GC CARBURETORS

1964 OLDS F-85 & JETSTAR '88'

330 CUBIC INCH ENGINE

BULLETIN 9C-523
 DATE: FEBRUARY, 1964
 PAGE 1
 REPLACES:
 9C-523, OCTOBER, 1963

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
	7024056	7024156	7024058	7024155	CARBURETOR No.—F-85
	7024056	7024057	7024058	7024059	CARB. No.—JETSTAR '88'
	22-525	22-525	22-526	22-526	REPLACEMENT PACKAGE No.
	7016453	7016453	7016453	7016453	OVERHAUL KIT
	VTR-514	VTR-514	VTR-514	VTR-514	OK KIT
	40-300	40-300	40-300	40-300	GASKET SET
	7028946	7028946	7028946	7028946	ALTITUDE KIT
Illus. No.	AIR HORN PARTS				
1	7026877	7026877	7026877	7026877	★Gasket — Air Horn
2	7010432	7010432	7010432	7010432	Screw — Air Horn — Long
3	7006119	7006119	7006119	7006119	Screw — Air Horn — Short
4	120217	120217	120217	120217	Lockwasher — Air Horn Screws
5	7000266	7000266	7000266	7000266	Lever — Pump — Inside
6	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	7011270	Screw — Pump Lever
8	7026974	7026974	7026974	7026974	★Pump Assembly
9	7005032	7005032	7005032	7005032	★Clip — Pump Plunger
10	7027875	7027875	7027875	7027875	Air Horn Assembly
11	7006011	7006011	7006011	7006011	Power Piston Assembly
12	7021891	7021891	7021891	7021891	Float Assembly
13	7002081	7002081	7002081	7002081	Pin — Float Hinge
14	30-13	30-13	30-13	30-13	★Needle and Seat Assembly
15	7019535	7019535	7019535	7019535	★Gasket — Needle Seat
16	7013525	7013525	7013525	7013525	Nut — Fuel Inlet Filter

★ OVERHAUL KIT CONTENTS

	AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
	7024056	7024156	7024058	7024155	CARBURETOR No.—F-85
	7024056	7024057	7024058	7024059	CARB. No.—JETSTAR "88"

Illus. No.	AIR HORN PARTS (Continued)				
17	7010010	7010010	7010010	7010010	★Gasket — Filter Nut
18	7013404	7013404	7013404	7013404	Filter — Fuel Inlet
19	7013584	7013584	7013584	7013584	★Gasket — Fuel Filter
20	7010007	7010007	7010007	7010007	Spring — Fuel Filter
21	7012835	7012835	7012835	7012835	Shield — Idle Vent
22	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
23	7012548	7012548	7012548	7012548	Screw — Vent Valve
24	7007129	7007129	7007129	7007129	Idle Vent Valve

CHOKE PARTS					
25	7007502	7007502	7007502	7007502	★Gasket — Choke Housing
26	7026478	7026478	7026478	7026478	Choke Housing Assembly
27	7019516	7019516	7019516	7019516	Screw — Choke Housing
28	7026516	7026516	7026516	7026516	Baffle Plate
29	7002760	7002760	7002760	7002760	★Gasket — Stat Cover
30	7027876	7027876	7027876	7027876	Stat Cover, Coil and Gasket Assembly
31	7019709	7019709	7019709	7019709	Screw — Choke Piston Lever
32	7026658	7026658	7026658	7026658	Choke Piston Lever
33	7009248	7009248	7009248	7009248	Choke Lever and Collar Assembly
34	7000255	7000255	7000255	7000255	Choke Valve
35	7007627	7007627	7007627	7007627	Screw — Choke Valve
36	7022932	7022932	7022932	7022932	Choke Shaft Assembly
37	7021493	7021493	7021493	7021493	Choke Piston
38	7010746	7010746	7010746	7010746	Pin — Choke Piston
39	7000614	7000614	7000614	7000614	Retainer — Stat Cover
40	7010424	7010424	7010424	7010424	Screw — Stat Cover
41	7002814	7002814	7002814	7002814	Plug — Lead Ball
42	7003135	7003135	7003135	7003135	Plug — Expansion — Large

FLOAT BOWL PARTS					
43	7004597	7004597	7004597	7004597	★Spring — Pump Return
44	7000286	7000286	7000286	7000286	★Guide — Pump Discharge
45	7002118	7002118	7002118	7002118	★Spring — Pump Discharge
46	7002117	7002117	7002117	7002117	★Ball — Pump Discharge
47	7002120	7002120	7002120	7002120	★Ball — Pump Inlet Check
48	7004557	7004557	7004557	7004557	★Strainer — Pump Inlet
49	7027877	7027877	7027877	7027877	Float Bowl Assembly
50	7019911	7019911	7019911	7019911	★Gasket — Venturi Cluster
51	7027726	7027726	7027726	7027726	Venturi Cluster Assembly
52	7000293	7000293	7000293	7000293	Screw — Cluster — Outer
53	7000294	7000294	7000294	7000294	Screw — Cluster — Center
54	121841	121841	121841	121841	Lockwasher — Outer Screws
55	7000295	7000295	7000295	7000295	★Gasket — Center Screw
56	7002657	7002657	7002657	7002657	Jet — Standard
57	7011989	7011989	7011989	7011989	★Power Valve Assembly
58	7011990	7011990	7011990	7011990	★Gasket — Power Valve
59	7016093	7016093	7016093	7016093	Choke Rod
60	7010952	7010952	7010952	7010952	Cam — Fast Idle
61	7019773	7019773	7019773	7019773	Screw — Cam Attaching
62	7021528	7021528	7021528	7021528	Insert — Main Well
63	—	7013937	—	7013937	Cover — Idle Compensator
64	—	7015127	—	7015127	Screw — Idle Compensator
65	—	7013341	—	7013341	★Gasket — Idle Compensator
66	—	7028924	—	7028924	Idle Compensator Kit

THROTTLE BODY PARTS					
67	7015148	7013680	7015148	7013680	★Gasket — Throttle Body
68	7015105	7015105	7015105	7015105	Screw — Throttle Body
69	121744	121744	121744	121744	Lockwasher — Throttle Body Screws
70	7003242	7003242	7003242	7003242	★Clip — Pump Rod — Upper
71	7026844	7026844	7026844	7026844	Pump Rod
72	7005032	7005032	7005032	7005032	★Clip — Pump Rod — Lower
73	7006213	7006213	7006213	7006213	Idle Stop Screw
74	7026506	7026518	7026506	7026518	Throttle Body Assembly
75	7013116	7013116	7013116	7013116	★Idle Needle
76	7011479	7011479	7011479	7011479	Spring — Idle Needle
77	382940	382940	382940	382940	★Flange Gasket



Delco Rochester

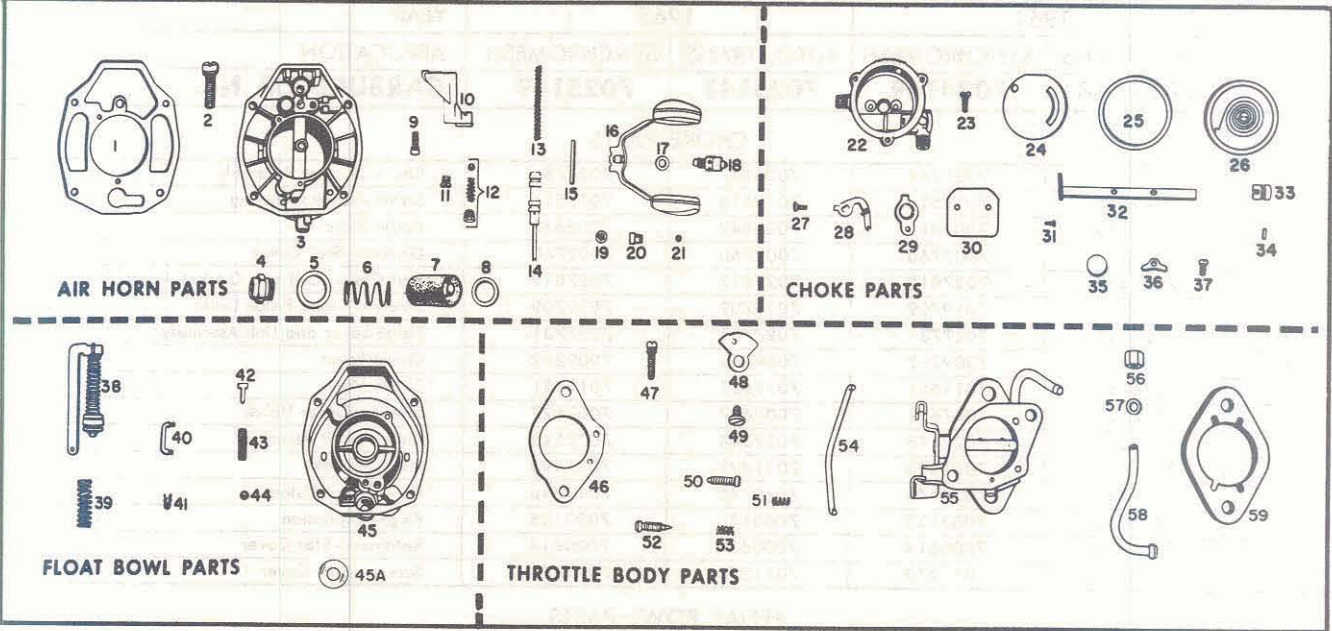
MODEL BC CARBURETORS

1964-65 OLDSMOBILE "V-6"

225 CUBIC INCH ENGINE

BULLETIN 9C-524
 DATE: NOVEMBER, 1964
 PAGE 1
 REPLACES: 9C-524,
 DATED: OCT., 1963

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1, FOR ADJUSTMENTS SEE BULLETIN 9 OL-2

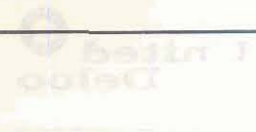


PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

1964		1965		YEAR
AUTO. TRANS.	SYNCHROMESH	AUTO. TRANS.	SYNCHROMESH	APPLICATION
7024148	7024149	7025148	7025149	CARBURETOR No.
21-100	21-101	21-102	21-103	REPLACEMENT PACKAGE No.
7016447	7016448	7016447	7016448	OVERHAUL KIT
VSR-101	VSR-101	VSR-101	VSR-101	OK KIT
40-296	40-296	40-296	40-296	GASKET SET
7028581	7028581	7028581	7028581	CARB-AIRATOR

Illus. No.	AIR HORN PARTS				
1	7026584	7026584	7026584	7026584	Gasket—Air Horn
2	7026595	7026595	7026595	7026595	Screw—Air Horn Attaching
3	7027810	7027811	7029731	7031401	Air Horn Assembly
4	7013525	7013525	7013525	7013525	Filter Nut—Fuel Inlet
5	7010010	7010010	7010010	7010010	Gasket—Filter Nut
6	7010007	7010007	7010007	7010007	Spring—Fuel Filter
7	7013404	7013404	7013404	7013404	Filter—Fuel Inlet
8	7013584	7013584	7013584	7013584	Gasket—Fuel Filter
9	7000745	7000745	7000745	7000745	Screw—Main Well Support
10	7026619	7026619	7026619	7031000	Main Well Support Assembly
11	7002961	7002961	7002961	7002961	Main Metering Jet (Standard)
11	7002960	7002960	7002960	7002960	Main Metering Jet (Altitude)
12	7026961	7026961	7026961	7026961	Power Valve Assembly
13	7002366	7002366	7002071	7002366	Spring—Power Piston
14	7010002	7010002	7010002	7010002	Piston—Power
15	7002081	7002081	7002081	7002081	Pin—Float Hinge
16	7002672	7002672	7002672	7002672	Float Assembly
17	7025735	7025735	7025735	7025735	Gasket—Needle Seat
18	30-1	30-1	30-1	30-1	Needle and Seat Assembly
19	7001637	7001637	7001637	7001637	Plug—Lead Ball—Idle Passage—Outer
20	7002055	7002055	7002055	7002055	Plug—Idle Passage—Inner
21	7002814	7002814	7002814	7002814	Plug—Lead Ball

Delco Carburetors
 MODEL BC CARBURETOR
 1948-65 OLDSMOBILE V-8
 312 CUBIC INCH ENGINE



ILLUS. NO.	1964		1965		YEAR
	AUTO. TRANS.	SYNCHROMESH	AUTO. TRANS.	SYNCHROMESH	APPLICATION
	7024148	7024149	7025148	7025149	CARBURETOR No.

CHOKE PARTS					
22	7026647	7027784	7026647	7027784	Choke Housing Assembly
23	7019516	7019516	7019516	7019516	Screw—Choke Housing
24	7006643	7006643	7006643	7006643	Baffle Plate
25	7002760	7002760	7002760	7002760	Gasket—Stat Cover
26	7027812	7027812	7027812	7027812	Stat Cover, Coil and Gasket Assembly
27	7019709	7019709	7019709	7019709	Screw—Choke Piston Lever
28	7027731	7027731	7027731	7027731	Piston Lever and Link Assembly
29	7009262	7009262	7009262	7009262	Choke Lever
30	7011651	7011651	7011651	7011651	Choke Valve
31	7007627	7007627	7007627	7007627	Screw—Choke Valve
32	7022548	7022548	7022548	7022548	Choke Shaft Assembly
33	7021493	7021493	7021493	7021493	Piston—Choke
34	7010746	7010746	7010746	7010746	Pin—Choke Piston
35	7003135	7003135	7003135	7003135	Plug—Expansion
36	7000614	7000614	7000614	7000614	Retainer—Stat Cover
37	7011270	7011270	7011270	7011270	Screw—Stat Cover

Float Bowl Parts

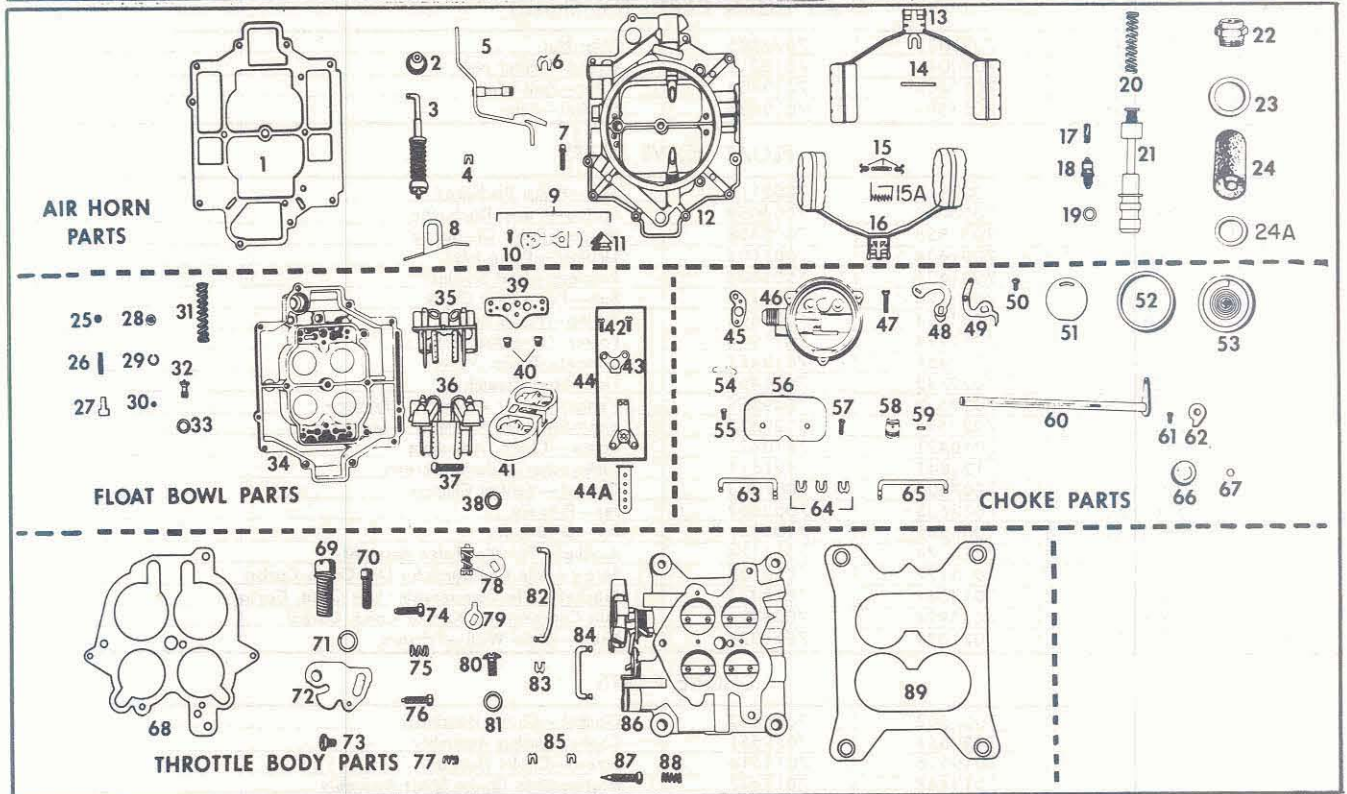
38	7028767	7027806	7028767	7027806	Pump Plunger Assembly
39	7005954	7005954	7005954	7005954	Spring—Pump Return
40	7029787	7029787	7029787	7029787	Link—Pump
41	836159	836159	836159	836159	Pin Spring—Pump Link
42	7003838	7003838	7003838	7003838	Guide—Pump Discharge
43	7002118	7002118	7002118	7002118	Spring—Pump Discharge
44	7002117	7002117	7002117	7002117	Ball—Pump Discharge
45	7027813	7027814	7027813	7027814	Float Bowl Assembly
45A	7026716	7026716	7026716	7026716	"O" Ring—Vacuum Channel Tube

Throttle Body Parts

46	7025560	7025560	7025560	7025560	Gasket—Throttle Body
47	7015365	7015365	7015365	7015365	Screw—Throttle Body
48	7026594	7026617	7029554	7029502	Cam—Fast Idle
49	7003561	7003561	7003561	7003561	Screw—Cam Attaching
50	7011546	7011546	7029427	7029427	Screw—Fast Idle
51	7001690	7001690	7029428	7029428	Spring Fast Idle Screw
52	7002357	7002357	7002357	7002357	Needle—Idle Adjusting
53	7001666	7001666	7001666	7001666	Spring—Idle Needle
54	7028896	7028896	7028896	7028896	Choke Rod
55	7027815	7027815	7029714	7029714	Throttle Body Assembly
56	7012002	7012002	7012002	7012002	Nut—Choke Suction Tube
57	7002883	7002883	7002883	7002883	Packing—Choke Suction Tube
58	7020421	7020421	7020421	7020421	Choke Suction Tube Assembly
59	3828267	3828267	3828267	3828267	Flange Gasket

7024099 IDLE SPEED-UP CONTROL ASSEMBLY (Air Conditioned Cars)

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-4



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

425 CU. IN. EARLY	425 CU. IN. LATE	400 CU. IN.	APPLICATION
7025050	7025050	7025150	STANDARD CARBURETOR No.
7025051	7025255	7025151	AIR CONDITIONED CARBURETOR No.
24-517	24-517	24-517	REPLACEMENT PACKAGE No. (STANDARD)
24-522	24-522	24-522	REPLACEMENT PACKAGE No. (AIR COND.)
7016550	7016550	7016550	OVERHAUL KIT
VFR-511	VFR-511	VFR-511	OK KIT
40-297	40-297	40-297	GASKET SET
7015869	7015869	7015869	ALTITUDE KIT

Illus. No.	AIR HORN PARTS			
1	7026876	7026876	7026876	Gasket—Air Horn
2	7006372	7006372	7006372	Boot—Pump Plunger
3	7031043	7031043	7031043	Pump Assembly
4	7005032	7005032	7005032	Clip—Pump Plunger
5	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	Clip—Pump Shaft
7	7000249	7000249	7000249	Screw—Air Horn
8	7012520	7012520	7012520	Shield—Idle Vent Valve
9	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	Screw—Idle Vent Valve
11	7007129	7007129	7007129	Idle Vent Valve
12	7027869	7027869	7031404	Air Horn Assembly (Standard)
12	7027869	7031404	7031404	Air Horn Assembly (Air Cond.)
13	7011945	7011945	7029794	Primary Float Assembly (Standard)
13	7011945	7029794	7029794	Primary Float Assembly (Air Cond.)
14	7001595	7001595	7001595	Pin—Float Hinge
15	7001850	7001850	—	Float Balance Spring Assembly (Secondary Only)
15A	—	7028966	7028966	Torsion Spring (Secondary Only)
16	7012148	7012148	7028875	Secondary Float Assembly (Standard)
16	7012148	7028875	7028875	Secondary Float Assembly (Air Cond.)
17	7006079	7006079	7006079	Strainer—Needle Seat
18	30-11	30-11	30-11	Needle and Seat Assembly—Primary
18	30-7	30-7	30-7	Needle and Seat Assembly—Secondary
19	7019535	7019535	7019535	Gasket—Needle Seat
20	7012515	7012515	7012515	Spring—Power Piston
21	7011947	7011947	7011947	Power Piston Assembly

	425 CU. IN. EARLY	425 CU. IN. LATE	400 CU. IN.	APPLICATION
	7025050	7025050	7025150	STANDARD CARBURETOR No.
	7025051	7025255	7025151	AIR CONDITIONED CARBURETOR No.

Illus. No.	AIR HORN PARTS (Continued)			
22	7022885	7022885	7022885	Filter Nut
23	7010010	7010010	7010010	Gasket—Filter Nut
24	7013404	7013404	7013404	Filter—Fuel Inlet
24A	7013584	7013584	7013584	Gasket—Filter

FLOAT BOWL PARTS

25	7002117	7002117	7002117	Ball—Pump Discharge
26	7006059	7006059	7006059	Spring—Pump Discharge
27	7003838	7003838	7003838	Guide—Pump Discharge
28	7001604	7001604	7001604	Strainer—Pump Inlet
29	7001605	7001605	7001605	Retainer—Inlet Strainer
30	7002120	7002120	7002120	Ball—Pump Inlet Check
31	7008694	7008694	7008694	Spring—Pump Return
32	7011994	7011994	7011994	Power Valve Assembly
33	7012488	7012488	7012488	Gasket—Power Valve
34	7029732	7029732	7031405	Float Bowl Assembly
35	7029559	7029559	7029559	Venturi Cluster Assembly—Primary
36	7029555	7029555	7029555	Venturi Cluster Assembly—Secondary
37	7010421	7010421	7010421	Screw—Cluster Attaching
38	121841	121841	121841	Lockwasher—Cluster Screws
39	7007803	7007803	7007803	Gasket—Venturi Clusters
40	7002653	7002653	7002653	Jet—Primary
40	7008681	7008681	7008681	Jet—Secondary
41	7015174	7015174	7015174	Auxiliary Throttle Valve Assembly
42	7015127	7015127	7015127	Screw—Idle Compensator (Air Cond. Carbs)
43	7013341	7013341	7013341	Gasket—Idle Compensator (Air Cond. Carbs)
44	7028924	7028924	7028924	Idle Compensator Kit (Air Cond. Carbs)
44A	7021029	7021029	7021029	Insert—Main Well—Primary

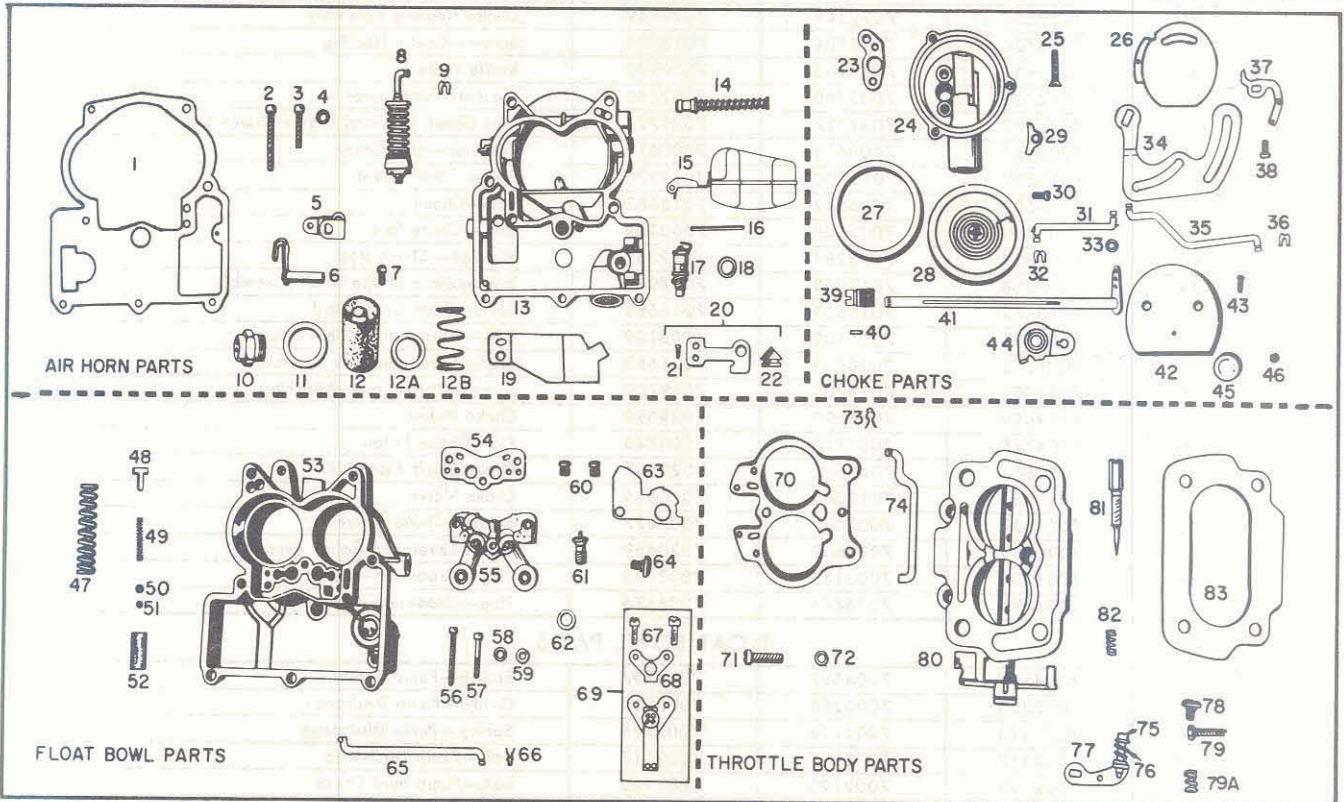
CHOKE PARTS

45	7007502	7007502	7007502	Gasket—Choke Housing
46	7029551	7029551	7029551	Choke Housing Assembly
47	7019516	7019516	7019516	Screw—Choke Housing
48	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7026684	7026684	7026684	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	Screw—Piston Lever
51	7029960	7029960	7029960	Baffle Plate
52	7002760	7002760	7002760	Gasket—Stat Cover
53	7029733	7029733	7029733	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	Retainer—Stat Cover
55	7011270	7011270	7011270	Screw—Stat Cover
56	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	Screw—Choke Valve
58	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	Pin—Choke Piston
60	7013828	7013828	7013828	Choke Shaft Assembly
61	7019709	7019709	7019709	Screw—Trip Lever
62	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	Rod—Intermediate Choke
64	7005109	7005109	7005109	Clip—Intermediate and Choke Rods
65	7026418	7026418	7026418	Rod—Choke
66	7003135	7003135	7003135	Plug—Expansion
67	7002814	7002814	7002814	Plug—Lead Ball

THROTTLE BODY PARTS

68	7028569	7028569	7028569	Gasket—Throttle Body
69	7004324	7004324	7004324	Screw—Throttle Body—Large
70	7015105	7015105	7015105	Screw—Throttle Body—Small
71	121744	121744	121744	Lockwasher—Small Screws
72	7029534	7029534	7029534	Cam—Fast Idle
73	7003561	7003561	7003561	Screw—Cam Attaching
74	7011546	7011546	7011546	Fast Idle Screw
75	7001690	7001690	7001690	Spring—Fast Idle Screw
76	7002121	7002121	7002121	Idle Stop Screw
77	7009728	7009728	7009728	Spring—Idle Stop Screw
78	7026868	7026868	7026868	Fast Idle Lever Assembly
79	7013436	7013436	7013436	Lever—Secondary Lockout
80	7010435	7010435	7010435	Screw—Fast Idle and Secondary Lockout Levers
81	7010354	7010354	7010354	Washer—Spacer—Fast Idle and Sec. Lockout Levers
82	7028587	7028587	7028587	Rod—Pump
83	7005032	7005032	7005032	Clip—Pump Rod
84	7010352	7010352	7010352	Link—Secondary Lever
85	7005032	7005032	7005032	Clip—Secondary Lever Link
86	7029734	7029734	7029734	Throttle Body Assembly
87	7013116	7013116	7013116	Idle Needle
88	7011479	7011479	7011479	Spring—Idle Needle
89	573280	573280	573280	Gasket—Flange

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

	AUTO. TRANS. STANDARD	ALL AIR COND.	SYNCHROMESH STANDARD	APPLICATION
	7025052	7025053	7025152	CARBURETOR No.
	22-527	22-527	22-527	REPLACEMENT PACKAGE No.
	7016551	7016551	7016551	OVERHAUL KIT
	VTR-515	VTR-515	VTR-515	OK KIT
	40-312	40-312	40-312	GASKET SET
	AIR HORN PARTS			
Illus. No.				
1	7026942	7026942	7026942	Gasket—Air Horn
2	7010432	7010432	7010432	Screw—Air Horn—Long
3	7006119	7006119	7006119	Screw—Air Horn—Short
4	120217	120217	120217	Lockwasher—Air Horn Screws
5	7000266	7000266	7000266	Lever—Pump—Inside
6	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	Screw—Pump Lever
8	7017776	7017776	7017776	Pump Assembly
9	7005032	7005032	7005032	Clip—Pump Plunger
10	7022885	7022885	7022885	Filter Nut
11	7010010	7010010	7010010	Gasket—Filter Nut
12	7013404	7013404	7013404	Filter—Fuel Inlet
12A	7010007	7010007	7010007	Spring—Filter
12B	7013584	7013584	7013584	Gasket—Filter
13	7029726	7029726	7029726	Air Horn Assembly
14	7006323	7006011	7006323	Power Piston Assembly
15	7021891	7021891	7021891	Float Assembly
16	7010037	7010037	7010037	Pin—Float Hinge
17	30-13	30-13	30-13	Needle and Seat Assembly
18	7019535	7019535	7019535	Gasket—Needle Seat
19	7012835	7012835	7012835	Shield—Idle Vent
20	7012252	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	7012548	Screw—Idle Vent
22	7007129	7007129	7007129	Valve—Idle Vent

Illus. No.	AUTO. TRANS. STANDARD	ALL AIR COND.	SYNCHROMESH STANDARD	APPLICATION
	7025052	7025053	7025152	CARBURETOR No.
CHOKE PARTS				
23	7013995	7013995	7013995	Gasket—Choke Housing
24	7029549	7029549	7029549	Choke Housing Assembly
25	7013704	7013704	7013704	Screw—Choke Housing
26	7029960	7029960	7029960	Baffle Plate
27	7002760	7002760	7002760	Gasket—Stat Cover
28	7029727	7029727	7029727	Stat Cover, Coil and Gasket Assembly
29	7000614	7000614	7000614	Retainer—Stat Cover
30	7011270	7011270	7011270	Screw—Stat Cover
31	7016682	7016682	7016682	Rod—Choke
32	7005109	7005109	7005109	Clip—Choke Rod
33	7002287	7002287	7002287	Washer—Choke Rod
34	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
35	7016683	7016683	7016683	Intermediate Choke Rod
36	7005109	7005109	7005109	Clip—Intermediate Choke Rod
37	7026683	7026683	7026683	Choke Lever and Link Assembly
38	7019709	7019709	7019709	Screw—Piston Lever Attaching
39	7029699	7029699	7029699	Choke Piston
40	7004748	7004748	7004748	Pin—Choke Piston
41	7020667	7020667	7020667	Choke Shaft Assembly
42	7010035	7010035	7010035	Choke Valve
43	7007627	7007627	7007627	Screw—Choke Valve
44	7020669	7020669	7020669	Choke Lever and Collar Assembly
45	7003135	7003135	7003135	Plug—Expansion—Large
46	7006475	7006475	7006475	Plug—Expansion—Small

FLOAT BOWL PARTS

47	7004597	7004597	7004597	Spring—Pump Return
48	7000286	7000286	7000286	Guide—Pump Discharge
49	7002118	7002118	7002118	Spring—Pump Discharge
50	7002117	7002117	7002117	Ball—Pump Discharge
51	7002120	7002120	7002120	Ball—Pump Inlet Check
52	7004557	7004557	7004557	Screen—Pump Inlet
53	7029728	7021522	7029728	Float Bowl Assembly
54	7019533	7019533	7019533	Gasket—Venturi Cluster
55	7029951	7031008	7029636	Venturi Cluster Assembly
56	7008502	7008502	7008502	Screw—Venturi Cluster—Outer
57	7009077	7009077	7009077	Screw—Venturi Cluster—Center
58	7008892	7008892	7008892	Gasket—Center Screw
59	120217	120217	120217	Lockwasher—Outer Screws
60	7008664	7008664	7008664	Jet—Standard
61	7011989	7011989	7011989	Power Valve Assembly
62	7011990	7011990	7011990	Gasket—Power Valve
63	7029533	7029533	7029533	Cam—Fast Idle
64	7003561	7003561	7003561	Screw—Cam Attaching
65	7020684	7020684	7020684	Rod—Choke Unloader
66	1875293	1875293	1875293	Clip—Unloader Rod
67	—	7015127	—	Screw—Idle Compensator
68	—	7013341	—	Gasket—Idle Compensator
69	—	7028924	—	Idle Compensator Kit

THROTTLE BODY PARTS

70	7024871	7024871	7024871	Gasket—Throttle Body
71	7015105	7015105	7015105	Screw—Throttle Body
72	121744	121744	121744	Lockwasher—Throttle Body Screw
73	1875293	1875293	1875293	Clip—Pump Rod
74	7020683	7020683	7020683	Pump Rod
75	7013347	7013347	7013347	Fast Idle Screw
76	7001690	7001690	7001690	Spring—Fast Idle Screw
77	7020681	7020681	7020681	Fast Idle Lever Assembly
78	7010435	7010435	7010435	Screw—Fast Idle Lever
79	7002121	7002121	7002121	Idle Stop Screw
79A	7009728	7009728	7009728	Spring—Idle Stop Screw
80	7029746	7029746	7029746	Throttle Body Assembly
81	7013116	7013116	7013116	Idle Needle
82	7011479	7011479	7011479	Spring—Idle Needles
83	578912	578912	578912	Gasket—Flange

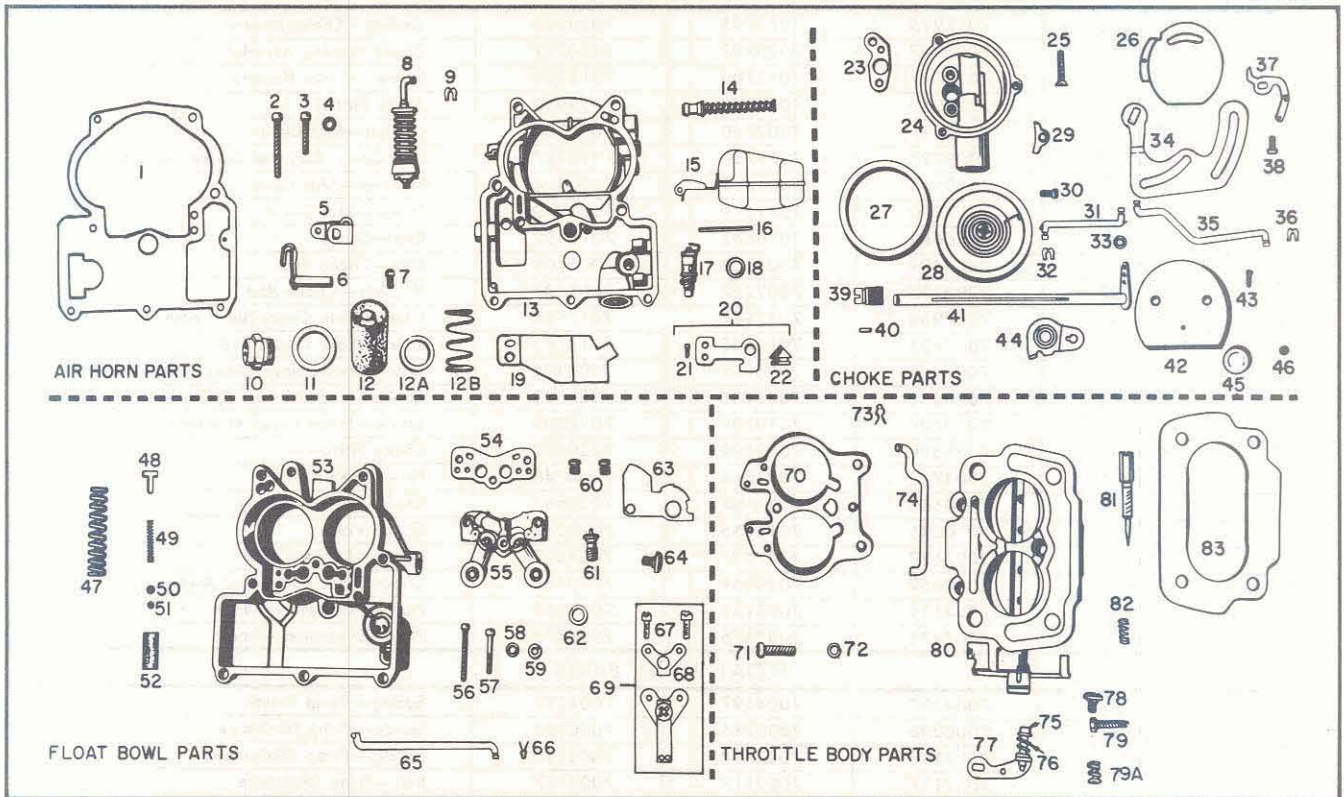
Delco Rochester

MODEL 2GC CARBURETORS

1965 OLDS F-85 & JETSTAR "88"

330 CUBIC INCH ENGINE

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-3



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
7025056	7025156	7025058	7025159	CARBURETOR No.—F-85
7025056	7025057	7025058	7025159	CARB. No.—JETSTAR "88"
22-530	22-530	22-530	22-530	REPLACEMENT PACKAGE No.
7031420	7031420	7031420	7031420	OVERHAUL KIT
VTR-516	VTR-516	VTR-516	VTR-516	OK KIT
40-312	40-312	40-312	40-312	GASKET SET

Illus. No.	AIR HORN PARTS				
1	7026942	7026942	7026942	7026942	Gasket—Air Horn
2	7010432	7010432	7010432	7010432	Screw—Air Horn—Long
3	7006119	7006119	7006119	7006119	Screw—Air Horn—Short
4	120217	120217	120217	120217	Lockwasher—Air Horn Screws
5	7000266	7000266	7000266	7000266	Lever—Pump—Inside
6	7006975	7006975	7006975	7006975	Pump Shaft and Lever Assembly
7	7011270	7011270	7011270	7011270	Screw—Pump Lever
8	7029491	7029491	7029491	7029491	Pump Assembly
9	7005032	7005032	7005032	7005032	Clip—Pump Plunger
10	7013525	7013525	7013525	7013525	Filter Nut—Fuel Inlet
11	7010010	7010010	7010010	7010010	Gasket—Filter Nut
12	7013404	7013404	7013404	7013404	Filter—Fuel Inlet
12A	7013584	7013584	7013584	7013584	Gasket—Filter
12B	7010007	7010007	7010007	7010007	Spring—Fuel Filter
13	7029726	7029726	7029726	7029726	Air Horn Assembly
14	7006323	7006323	7006323	7006323	Power Piston Assembly
15	7021891	7021891	7021891	7021891	Float Assembly
16	7010037	7010037	7010037	7010037	Pin—Float Hinge
17	30-13	30-13	30-13	30-13	Needle and Seat Assembly
18	7019535	7019535	7019535	7019535	Gasket—Needle Seat
19	7012835	7012835	7012835	7012835	Shield—Idle Vent
20	7012252	7012252	7012252	7012252	Idle Vent Valve Kit
21	7012548	7012548	7012548	7012548	Screw—Idle Vent
22	7007129	7007129	7007129	7007129	Valve—Idle Vent

	AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
	7025056	7025156	7025058	7025159	CARBURETOR No.—F-85
	7025056	7025057	7025058	7025159	CARB. No.—JETSTAR "88"

Illus. No.	CHOKE PARTS				
23	7013995	7013995	7013995	7013995	Gasket—Choke Housing
24	7020797	7020797	7020797	7020797	Choke Housing Assembly
25	7013704	7013704	7013704	7013704	Screw—Choke Housing
26	7029960	7029960	7029960	7029960	Baffle Plate
27	7002760	7002760	7002760	7002760	Gasket—Stat Cover
28	7029727	7029727	7029727	7029727	Stat Cover, Coil and Gasket Assembly
29	7000614	7000614	7000614	7000614	Retainer—Stat Cover
30	7011270	7011270	7011270	7011270	Screw—Stat Cover
31	7016682	7016682	7016682	7016682	Rod—Choke
32	7005109	7005109	7005109	7005109	Clip—Choke Rod
33	7002287	7002287	7002287	7002287	Washer—Choke Rod
34	7017988	7017988	7017988	7017988	Intermediate Choke Shaft Assembly
35	7016683	7016683	7016683	7016683	Intermediate Choke Rod
36	7005109	7005109	7005109	7005109	Clip—Intermediate Choke Rod
37	7026683	7026683	7026683	7026683	Choke Lever and Link Assembly
38	7019709	7019709	7019709	7019709	Screw—Piston Lever Attaching
39	7029699	7029699	7029699	7029699	Choke Piston
40	7004748	7004748	7004748	7004748	Pin—Choke Piston
41	7020667	7020667	7020667	7020667	Choke Shaft Assembly
42	7010035	7010035	7010035	7010035	Choke Valve
43	7007627	7007627	7007627	7007627	Screw—Choke Valve
44	7020669	7020669	7020669	7020669	Choke Lever and Collar Assembly
45	7003135	7003135	7003135	7003135	Plug—Expansion—Large
46	7006475	7006475	7006475	7006475	Plug—Expansion—Small

FLOAT BOWL PARTS					
47	7004597	7004597	7004597	7004597	Spring—Pump Return
48	7000286	7000286	7000286	7000286	Guide—Pump Discharge
49	7002118	7002118	7002118	7002118	Spring—Pump Discharge
50	7002117	7002117	7002117	7002117	Ball—Pump Discharge
51	7002120	7002120	7002120	7002120	Ball—Pump Inlet Check
52	7004557	7004557	7004557	7004557	Screen—Pump Inlet
53	7029728	7029728	7029728	7029728	Float Bowl Assembly
54	7019533	7019533	7019533	7019533	Gasket—Venturi Cluster
55	7029675	7029675	7029675	7029681	Venturi Cluster Assembly
56	7008502	7008502	7008502	7008502	Screw—Venturi Cluster—Outer
57	7009077	7009077	7009077	7009077	Screw—Venturi Cluster—Center
58	7008892	7008892	7008892	7008892	Gasket—Center Screw
59	120217	120217	120217	120217	Lockwasher—Outer Screws
60	7008663	7008663	7008663	7008663	Jet—Standard
61	7011989	7011989	7011989	7011989	Power Valve Assembly
62	7011990	7011990	7011990	7011990	Gasket—Power Valve
63	7029533	7029533	7029533	7029533	Cam—Fast Idle
64	7003561	7003561	7003561	7003561	Screw—Cam Attaching
65	7020684	7020684	7020684	7020684	Rod—Choke Unloader
66	1875293	1875293	1875293	1875293	Clip—Unloader Rod
67	—	7015127	—	7015127	Screw—Idle Compensator
68	—	7013341	—	7013341	Gasket—Idle Compensator
69	—	7028924	—	7028924	Idle Compensator Kit

THROTTLE BODY PARTS					
70	7024871	7024871	7024871	7024871	Spacer—Throttle Body
71	7015105	7015105	7015105	7015105	Screw—Throttle Body
72	121744	121744	121744	121744	Lockwasher—Throttle Body Screw
73	1875293	1875293	1875293	1875293	Clip—Pump Rod
74	7029658	7029658	7029658	7029658	Pump Rod
75	7013347	7013347	7013347	7013347	Fast Idle Screw
76	7001690	7001690	7001690	7001690	Spring—Fast Idle Screw
77	7020681	7020681	7020681	7020681	Fast Idle Lever Assembly
78	7010435	7010435	7010435	7010435	Screw—Fast Idle Lever
79	7002121	7002121	7002121	7002121	Idle Stop Screw
79A	7009728	7009728	7009728	7009728	Spring—Idle Stop Screw
80	7029746	7029746	7029746	7029746	Throttle Body Assembly
81	7013116	7013116	7013116	7013116	Idle Needle
82	7011479	7011479	7011479	7011479	Spring—Idle Needles
83	578912	578912	578912	578912	Gasket—Flange

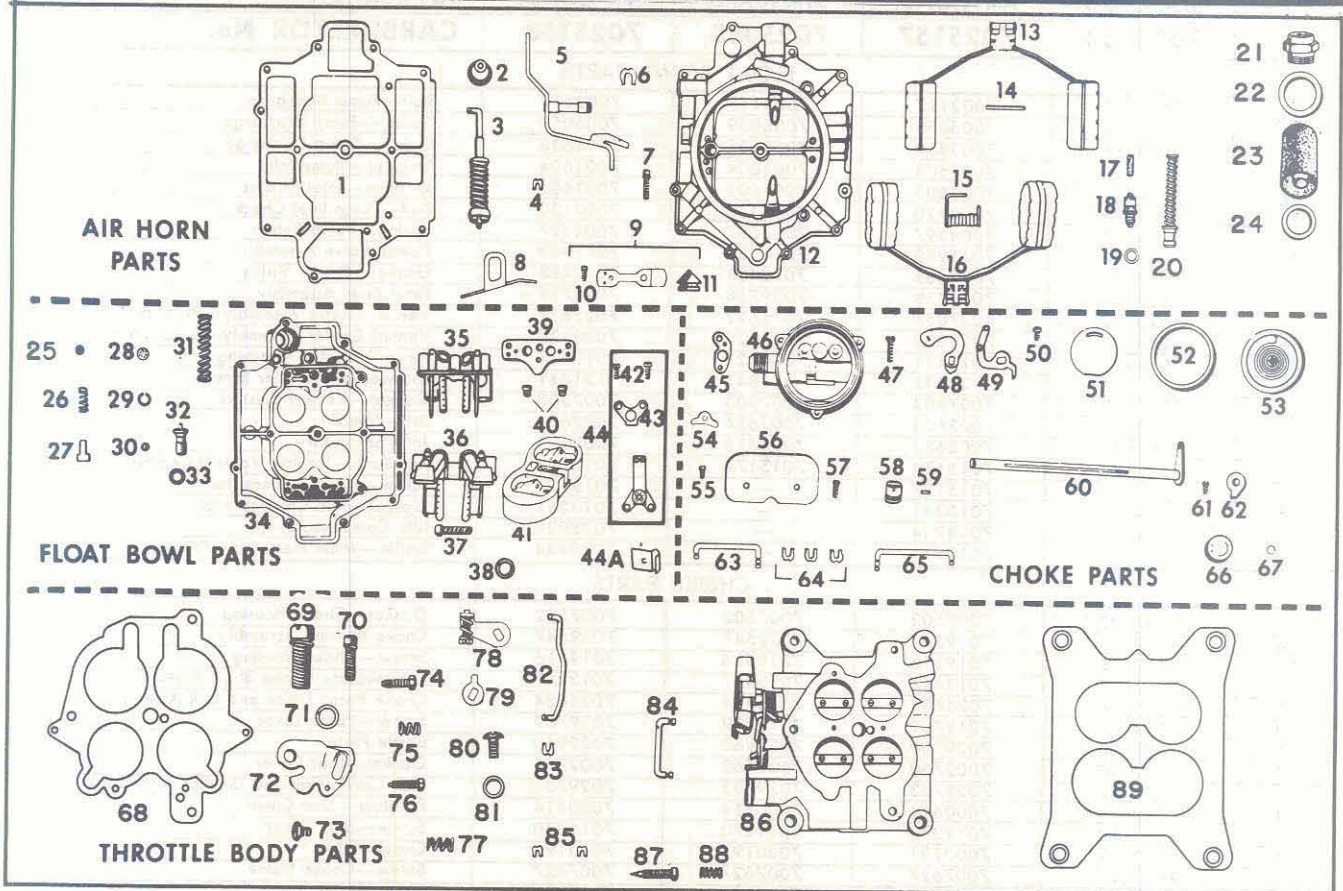
Delco Rochester

MODEL 4GC CARBURETORS

1965 OLDS F-85 & JETSTAR "88"

330 CUBIC INCH ENGINE

FOR SPECIFICATIONS SEE BULLETIN 9 OL-1 FOR ADJUSTMENTS SEE BULLETIN 9 OL-4



PARTS SHOWN ARE FOR IDENTIFICATION ONLY. CONSULT PARTS LIST FOR CORRECT PART NAME AND NUMBER

AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
7025054	7025157	7025055	7025158	CARBURETOR No.
24-518	24-518	24-519	24-519	REPLACEMENT PACKAGE No.
7016536	7016536	7016536	7016536	OVERHAUL KIT
VFR-510	VFR-510	VFR-510	VFR-510	OK KIT
40-309	40-309	40-309	40-309	GASKET SET

Illus. No.	AIR HORN PARTS				
1	7028964	7028964	7028964	7028964	Gasket—Air Horn
2	7006372	7006372	7006372	7006372	Boot—Pump Plunger
3	7022978	7022978	7022978	7022978	Pump Assembly
4	7005032	7005032	7005032	7005032	Clip—Pump Plunger
5	7013430	7013430	7013430	7013430	Pump Shaft and Lever Assembly
6	7007616	7007616	7007616	7007616	Clip—Pump Shaft
7	7000249	7000249	7000249	7000249	Screw—Air Horn
8	7012520	7012520	7012520	7012520	Shield—Vent Valve
9	7012188	7012188	7012188	7012188	Idle Vent Valve Kit
10	7012548	7012548	7012548	7012548	Screw—Idle Vent Valve
11	7007129	7007129	7007129	7007129	Idle Vent Valve
12	7029737	7029737	7029737	7029737	Air Horn Assembly
13	7028875	7028875	7028875	7028875	Primary Float Assembly
14	7001595	7001595	7001595	7001595	Pin—Float Hinge
15	7029646	7029646	7029646	7029646	Torsion Spring
16	7028875	7028875	7028875	7028875	Secondary Float Assembly
17	7006079	7006079	7006079	7006079	Strainer—Needle Seat
18	30-11	30-11	30-11	30-11	Needle and Seat Assembly—Primary
19	30-7	30-7	30-7	30-7	Needle and Seat Assembly—Secondary
20	7019535	7019535	7019535	7019535	Gasket—Needle Seat
21	7025738	7025738	7025738	7025738	Power Piston Assembly
22	7013525	7013525	7013525	7013525	Strainer Nut
23	7010010	7010010	7010010	7010010	Gasket—Strainer Nut
24	7013404	7013404	7013404	7013404	Strainer—Fuel Inlet
24	7013584	7013584	7013584	7013584	Gasket—Filter

ILLUS. NO.	AUTO. TRANS. STANDARD	AUTO. TRANS. AIR COND.	SYNCHROMESH STANDARD	SYNCHROMESH AIR COND.	APPLICATION
	7025054	7025157	7025055	7025158	CARBURETOR No.
FLOAT BOWL PARTS					
25	7002117	7002117	7002117	7002117	Ball—Pump Discharge
26	7006059	7006059	7006059	7006059	Spring—Pump Discharge
27	7003838	7003838	7003838	7003838	Guide—Pump Discharge
28	7001604	7001604	7001604	7001604	Strainer—Pump Inlet
29	7001605	7001605	7001605	7001605	Retainer—Inlet Strainer
30	7002120	7002120	7002120	7002120	Ball—Pump Inlet Check
31	7004597	7004597	7004597	7004597	Spring—Pump Return
32	7011989	7011989	7011989	7011989	Power Valve Assembly
33	7012488	7012488	7012488	7012488	Gasket—Power Valve
34	7029738	7029738	7029738	7029738	Float Bowl Assembly
35	7026622	7027857	7026622	7027857	Venturi Cluster Assembly—Primary
36	7020320	7020320	7020320	7020320	Venturi Cluster Assembly—Secondary
37	7010421	7010421	7010421	7010421	Screw—Cluster Attaching
38	121841	121841	121841	121841	Lockwasher—Cluster Screws
39	7007803	7007803	7007803	7007803	Gasket—Venturi Clusters
40	7002653	7002653	7002654	7002654	Jet—Primary
40	7008678	7008680	7008678	7008680	Jet—Secondary
41	7015174	7015174	7015174	7015174	Auxiliary—Throttle Valve Assembly
42	—	7015127	—	7015127	Screw—Idle Compensator
43	—	7013341	—	7013341	Gasket—Idle Compensator
44	—	7028924	—	7028924	Idle Compensator Kit
44A	—	7019644	—	7019644	Baffle—Main Metering—Primary
CHOKE PARTS					
45	7007502	7007502	7007502	7007502	Gasket—Choke Housing
46	7029547	7029547	7029547	7029547	Choke Housing Assembly
47	7019516	7019516	7019516	7019516	Screw—Choke Housing
48	7013447	7013447	7013447	7013447	Intermediate Choke Shaft Assembly
49	7026684	7026684	7026684	7026684	Choke Piston Lever and Link Assembly
50	7019709	7019709	7019709	7019709	Screw—Piston Lever
51	7029960	7029960	7029960	7029960	Baffle Plate
52	7002760	7002760	7002760	7002760	Gasket—Stat Cover
53	7029733	7029733	7029733	7029733	Stat Cover, Coil and Gasket Assembly
54	7000614	7000614	7000614	7000614	Retainer—Stat Cover
55	7011270	7011270	7011270	7011270	Screw—Stat Cover
56	7000191	7000191	7000191	7000191	Choke Valve
57	7007627	7007627	7007627	7007627	Screw—Choke Valve
58	7015332	7015332	7015332	7015332	Choke Piston
59	7010746	7010746	7010746	7010746	Pin—Choke Piston
60	7013828	7013828	7013828	7013828	Choke Shaft Assembly
61	7019709	7019709	7019709	7019709	Screw—Trip Lever
62	7000196	7000196	7000196	7000196	Trip Lever
63	7013853	7013853	7013853	7013853	Rod—Intermediate Choke
64	7005109	7005109	7005109	7005109	Clip—Intermediate and Choke Rods
65	7026418	7026418	7026418	7026418	Rod—Choke
66	7003135	7003135	7003135	7003135	Plug—Expansion
67	7002814	7002814	7002814	7002814	Plug—Lead Ball
THROTTLE BODY PARTS					
68	7013580	7013580	7013580	7013580	Gasket—Throttle Body
69	7004324	7004324	7004324	7004324	Screw—Throttle Body—Large
70	7015105	7015105	7015105	7015105	Screw—Throttle Body—Small
71	121744	121744	121744	121744	Lockwasher—Small Screws
72	7029534	7029534	7029534	7029534	Cam—Fast Idle
73	7003561	7003561	7003561	7003561	Screw—Cam Attaching
74	7011546	7011546	7011546	7011546	Fast Idle Screw
75	7001690	7001690	7001690	7001690	Spring—Fast Idle Screw
76	7002121	7002121	7002121	7002121	Idle Stop Screw
77	7009728	7009728	7009728	7009728	Spring—Idle Stop Screw
78	7026868	7026868	7026868	7026868	Fast Idle Lever Assembly
79	7013436	7013436	7013436	7013436	Lever—Secondary Lockout
80	7010435	7010435	7010435	7010435	Screw—Fast Idle and Sec. Lockout Levers
81	7010354	7010354	7010354	7010354	Washer—Spacer—Fast Idle & Sec. Lock. Levers
82	7028587	7028587	7028587	7028587	Rod—Pump
83	7005032	7005032	7005032	7005032	Clip—Pump Rod
84	7010352	7010352	7010352	7010352	Link—Secondary Lever
85	7005032	7005032	7005032	7005032	Clip—Secondary Lever Link
86	7029740	7029740	7029740	7029740	Throttle Body Assembly
87	7013116	7013116	7013116	7013116	Idle Needle
88	7011479	7011479	7011479	7011479	Spring—Idle Needle
89	573280	573280	573280	573280	Gasket—Flange