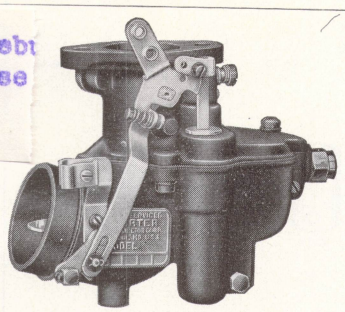


Model 6A1-6B1

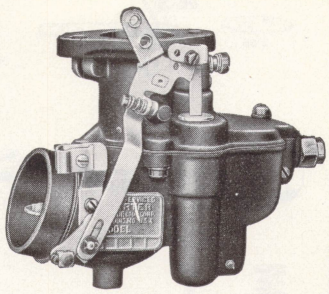
CHRYSLER SIX—"CI"—1932

Carbureters 6A1-6B1-6B2

Price List $12.00

For Chrysler 6-cylinder Engine;
3¼ inch bore, 4½ inch stroke

(Refer to inspection tag on carbureter as specifications vary in important respects)



Model 6B2

CARBURETER SPECIFICATIONS

Dimensions: Flange size, 1¼ inch.
Throttle bore, 1-7/16 inch.

Float Setting: Top of float flush to 1/32 inch (.0 to .80 mm) below top surface of lower body.

Vent: (To float chamber) Outside: No. 30 (3.26 mm) drill size.

Gasoline Intake Needle: Triangular, horizontal. No. 38 (2.58 mm) drill in needle seat.

Idle Orifice Tube: Jet size: 6A1—6B1, .0256 to .0275 inch (.65 to .70 mm) drill; 6B2, .024 in (.60 mm) drill.

Air Bleed: Through venturi, to idle passage, .085 to .087 inch diameter (2.15 to 2.20 mm) drill.

Idle Ports: Lower port size: .062 to .064 inch (1.6 mm) diameter. Top of port located .005 to .009 inch (.2 mm) below lower edge of valve.
Upper port size: .053 to .057 inch (1.35-1.45 mm) diameter (for idle adjustment screw).

Set Idle Adjustment Screw: ¼ to 1 turn open. For richer mixture turn screw out. Do not idle engine below 300 rpm. or 6 miles per hour.

Main Metering Screw: Calibrated to flow 222 C. C. per minute. (Do not gauge for size. If in doubt, replace with new part.)

Nozzle: Model 6A1—6B1, No. 30 (3.26 mm) drill size.

Nozzle: Model 6B2, No. 33 (2.87 mm) drill size.

Accelerating Jets (Models 6A1—6B1):
2—.0394 inch (1.00 mm) drill 1/16 inch (1.59 mm) from shoulder.
1—.051 inch (1.3 mm) drill 3/8 inch (9.53 mm) from shoulder.
1—.051 inch (1.3 mm) drill 23/32 inch (18.26 mm) from shoulder.
1—.051 inch (1.3 mm) drill 1-1/16 inch (26.99 mm) from shoulder.

Accelerating Jets (Model 6B2):
2—.0394 inch (1.00 mm) drill 1/16 inch (1.59 mm) from shoulder.
1—.051 inch (1.3 mm) drill 3/8 inch (9.53 mm) from shoulder.
1—.063 inch (1.6 mm) drill 23/32 inch (18.26 mm) from shoulder.
1—.051 inch (1.3 mm) drill 1-1/16 inch (26.99 mm) from shoulder.

Air Bleed to Nozzle: Size, .0275 inch (.70 mm) drill.

Step-up Jet: (Power orifice) 6A1—6B1: .023 inch (.60 mm) drill size: 6B2, .032 inch (.80 mm).

Main Venturi: 1 inch I. D.

Accelerating Pump: Type, low pressure, delayed action.
Stroke: Summer setting (inner hole, short stroke) 9/16 inch (14.25 mm). Winter setting (outer hole, long stroke) 1 inch (25.40 mm).
Pump intake ball check: Size 1/8 inch (3.2 mm).
Pump (discharge) metering screw: Jet size No. 52 (1.6 mm) drill.

VIEWING CARBURETER FROM SIDE OPPOSITE AIR INTAKE

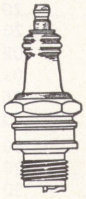
Choker: Butterfly type, with compensating air valve. Lever on left side.

Throttle Lever: Adjusting—On left side length 1½ inch (38.1 mm) when open, points up.
Loose—On right side, length 13/16 inch (20.6 mm) on 6A1 only.

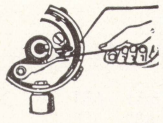
Tube Clamp: On air intake—also under body attaching screw on 6A1 only.

MOTOR TUNE-UP—CHRYSLER SIX—Be Accurate! Always Use Feeler Gauges!

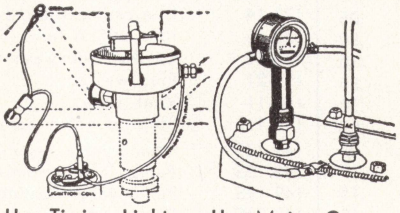
CAUTION: Change worn or leaky flange gaskets. Tighten manifold bolts and test compression before adjusting carbureter.



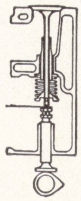
Spark Plug Gap .028"



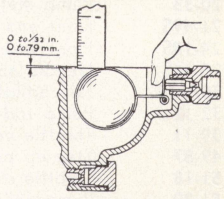
Set Breaker Points .020"



Use Timing Light or Use Motor Gauge Breaker Points Start to Separate 10° or .041" Before Top Dead Center



Valve Clearance
With Motor at Normal Operating Temperature (Hot)
Set Valves
Intake .005"
Exhaust .007"



Correct Float Level Flush with to 1/32" Below Edge of Casting (Remove Gasket)

CARBURETER ADJUSTMENTS

This carbureter provides three adjustments—to regulate idling mixture; to control volume of accelerating pump discharge, and to regulate mixture at open throttle.

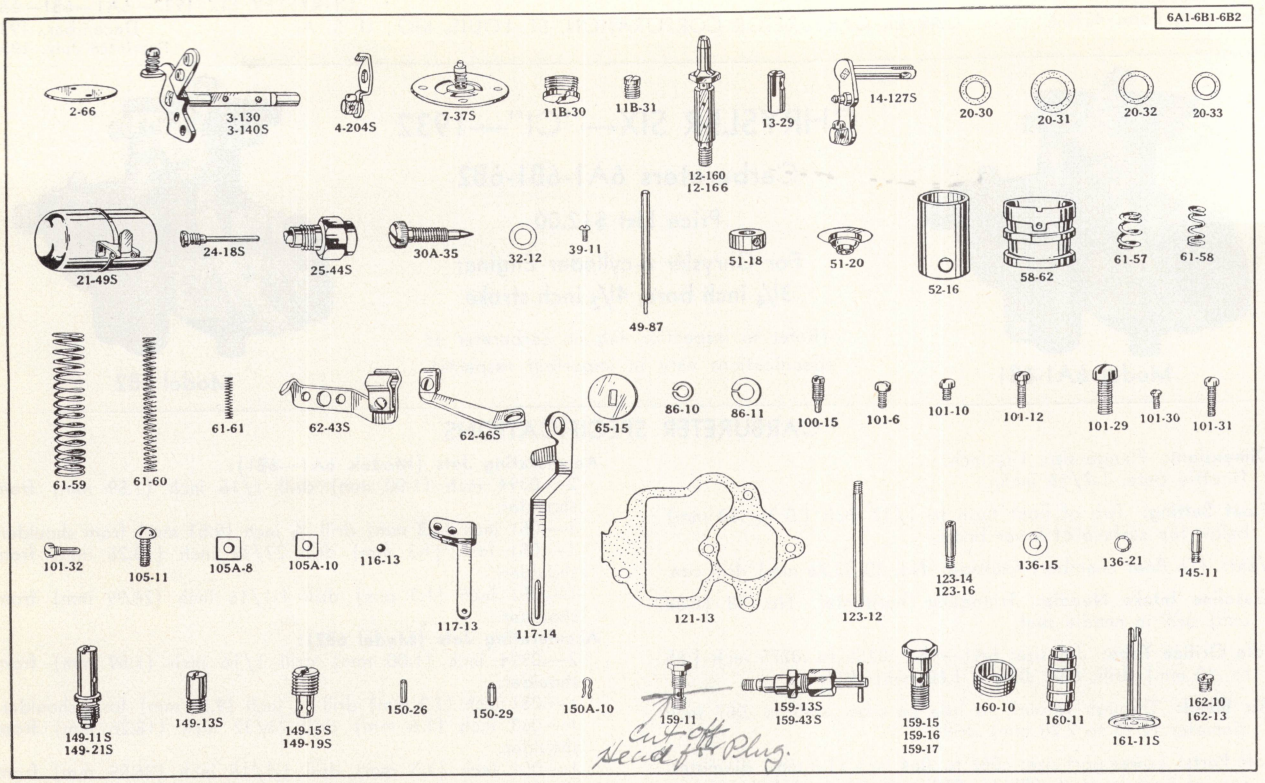
To Secure Good Idle: Set throttle lever adjusting screw so motor runs approximately 300 rpm. Set idle adjustment screw so motor fires evenly. Correct setting will be found between ¼ turn and 1 turn open. Richer mixture is obtained by backing out adjustment screw. If motor stalls while idling, and these adjustments do not correct trouble, remove idle passage tube and idle jet tube and clean thoroughly with compressed air.

The Accelerating Pump: Pump link is provided with two holes to receive pump link screw, giving short and long strokes to pump piston. For winter driving link screw should be set in outer (top) hole; in hot weather connected in inner hole.

High Speed Needle: Turn high speed adjusting needle out one to one and one-half turns. Engine should reach normal operating temperature before making adjustment. Leaner mixture is secured by turning adjusting needle to the right.

Poor Acceleration may be due to pump link setting. If link screw is set to give short stroke, reset to give longer stroke to pump piston. If this does not give desired results, the main metering jet, check valve assembly and pump valve assembly should be removed and cleaned with compressed air.

If Motor Loads check float level. Remove upper casting from float chamber. Remove body gasket and place scale across machined edges of float chamber. Hold lip of float firmly against end of seated needle. Top of float (not soldered seam) should be 1/32" (.80 mm) below machined edges of float chamber. Before adjusting float, see that float lever pin plug is firmly seated. To lower float level, bend lip of float lever toward needle. To raise float level, bend lip away from needle. A very slight bend is usually sufficient.



Chrysler Six "C I" 1932—Models 6A1-6B1-6B2—List Price $12.00

WHEN SERVICING, USE GASKET ASSORTMENT No. 104—LIST PRICE $0.30

Part No.	PARTS LIST	List Price
2-66	Throttle valve	$0.20
3-130S	Throttle shaft and lever ass'y, 6A1	.60
3-140S	Throttle shaft and lever ass'y, 6B1—6B2	.60
4-204S	Throttle lever assembly (loose), 6A1 only	.30
7-37S	Choker valve assembly	.50
11B-12	Rivet plug	.02
11B-26	Rivet plug	.02
11B-30	Step-up piston plug	.10
11B-31	Idle hole plug	.10
12-160	Nozzle, 6A1—6B1	.60
12-166	Nozzle, 6B2	.60
13-29	Choker shaft (stub)	.15
14-127S	Choker assembly with clamp and screw	.40
20-30	Nozzle gasket	.05
20-31	Needle seat gasket	.05
20-32	Metering screw gasket	.05
20-33	Pump metering screw gasket, 6A1—6B1	.05
21-49S	Float and lever assembly	.80
24-18S	Float lever pin and plug assembly	.10
25-44S	Needle and seat assembly	.80
30A-35	Idle adjustment screw	.30
32-12	Pump rod gasket	.05
39-11	Throttle valve screw	2 for .05
49-87	Step-up push rod	.10
51-18	Throttle shaft collar, 6A1	.15
51-20	Pump collar	.10
52-16	Pump sleeve	.20
58-62	Venturi	.40
61-57	Idle adjustment screw spring	.05
61-58	Throttle lever adjusting screw spring	.05
61-59	Pump spring	.10
61-60	Step-up piston spring	.05
61-61	Step-up spring	.05
62-43S	Choke tube bracket assembly	.25
62-46S	Tube clamp assembly, 6A1 only	.25
65-15	Pump link cover plate	.02
86-10	Tube clamp screw lock washer	.01
86-11	Body screw lock washer	.01

Part No.	PARTS LIST	List Price
100-15	Collar screw, 6A1	.05
101-6	Choke bracket attaching screw	.05
101-10	Wire clamp screw	.05
101-12	Choke tube clamp screw	05
101-29	Body attaching screw	.05
101-30	Choke valve screw	.05
101-31	Throttle lever adjusting screw	.05
101-32	Pump link screw	.05
105-11	Throttle tube clamp screw, 6A1	.05
105A-8	Tube clamp nut, 6A1	.05
105A-10	Choke tube clamp nut	.05
116-13	Step-up ball	.02
117-13	Pump link	.15
117-14	Choker link	.10
121-13	Body gasket	.10
123-12	Idle passage tube	.10
123-14	Idle orifice tube, 6A1—6B1	.20
123-16	Idle orifice tube, 6B2	.20
136-15	Choker link washer	.02
136-21	Plug washer	.01
145-11	Vent tube	.05
149-11S	Step-up valve assembly, 6A1—6B1	.40
149-13S	Check valve assembly	.30
149-15S	Pump valve assembly, 6A1—6B1	.30
149-19S	Pump valve assembly, 6B2	.30
149-21S	Set-up valve assembly, 6B2	.40
150-26	Pump collar pin	.02
150-29	Venturi pin	.02
150A-10	Pin spring	.01
159-11	Pump metering screw, 6A1—6B1	.20
159-15	Main metering screw (standard)	.30
159-16	Main metering screw, one size lean	.30
159-17	Main metering screw, two sizes lean	.30
160-10	Pump piston	.40
160-11	Step-up piston	.20
161-11S	Pump rod plate and rod assembly	.30
162-10	Power orifice, 6A1—6B1	.10
162-13	Power orifice, 6B2	.10

List price of $3.00 per 100 applies to parts listed at $0.05 each.
List price of $1.75 per 100 applies to parts listed at $0.03 each.
List price of $1.25 per 100 applies to parts listed at $0.02 each.
List price of $0.50 per 100 applies to parts listed at $0.01 each.

CARBURETER
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