

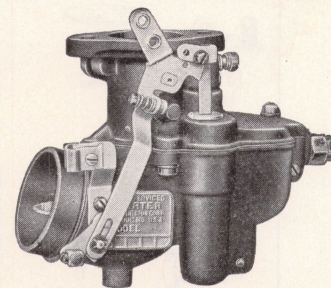
DODGE SIX—1932

Model "DL"

Carburetors 6A2-6B2

(List Price \$12.00)

Note: Model 6A2 equipped with loose throttle lever and throttle tube clamp assembly (not shown) for cars without vacuum clutch control



CARBURETER SPECIFICATIONS

For Dodge Six-Cylinder Engine, 3 1/4 Inch Bore, 4 3/8 Inch Stroke

Motor No. 17692, Car Serial No. 3573864 and Higher Numbers

- Dimensions:** Flange size, 1 1/4 in. Throttle bore, 1-7/16 in.
- Float Setting:** Top of float flush with 1/32 in. (.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: .024 in. (.60 mm) drill.
- Air Bleed** through venturi, to idle passage, .085 to .087 in. diameter (2.15 to 2.20 mm) drill.
- Idle Ports:** Lower port size: .062 to .064 in. (1.6 mm) diameter. Top of port located .005 to .009 in. (.2 mm) below lower edge of valve.
Upper port size: .053 to .057 in. (1.35-1.45 mm) diameter (for idle adjustment screw).
- Set Idle Adjustment Screw:** 1/4 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 CC per minute. (Do not gauge for size. If in doubt, replace with new part.)

- Nozzle:** No. 33 (2.87 mm) drill size.
- Accelerating Jets:**
2—.0394 in. (1.00 mm) drill 1/16 in. (1.59 mm) from shoulder.
1—.051 in. (1.3 mm) drill 3/8 in. (9.53 mm) from shoulder.
1—.063 in. (1.6 mm) drill 23/32 in. (18.26 mm) from shoulder.
1—.051 in. (1.3 mm) drill 1-1/16 in. (26.99 mm) from shoulder.
- Air Bleed to Nozzle:** Size: .0275 in. (.70 mm) drill.
- Step-Up Jet (Power orifice)** .032 in. (.80 mm) drill.
- Main Venturi,** 1 in. I. D.
- Accelerating Pump:** Type, low pressure, delayed action.
Stroke: Summer setting (inner hole, short stroke) 9/16 in. (14.25 mm).
Winter setting (outer hole, long stroke) 1 in. (25.25 mm).
Pump intake ball check; size 1/8 in. (3.2 mm).
Pump (discharge) jet in pump valve cage assembly; Jet size No. 52 (1.6 mm) drill.

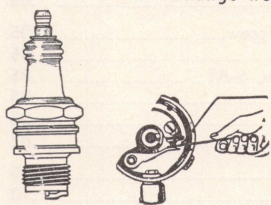
VIEWING CARBURETER FROM SIDE OPPOSITE AIR INTAKE

- Choker:** Butterfly type, with compensating air valve. Lever on left side.
- Throttle Lever:** Adjusting—On left side length 1 1/2 in. (38.1 mm) when open, points up.
- Loose—**On right side, length 13/16 in. (20.6 mm) on 6-A2 only.
- Tube Clamp:** On air intake—also under body attaching screw on 6-A2 only.

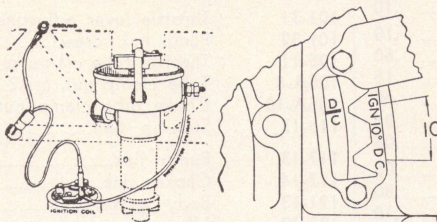
MOTOR TUNE-UP—DODGE

Be Accurate! Always Use Feeler Gauges!

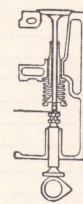
CAUTION: Change worn or leaky flange gaskets. Tighten manifold bolts and test compression before adjusting carbureter.



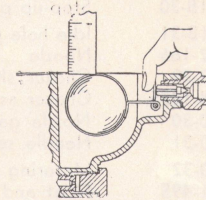
Spark Plug Gap .025"
Set Breaker Points .020"



Use Timing Light—Time by Flywheel Mark
Breaker Points to Start to Separate 10° or .041"
Before Top Dead Center with Spark Fully Advanced



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

To Secure a Good Idle: Set throttle lever adjusting screw so motor runs approximately 300 rpm. Then set idle adjustment screw so motor fires evenly. Correct setting will be found between 1/2 and 1 1/4 turns open. A richer mixture is obtained by backing out adjustment screw—a leaner mixture by turning screw in.

If motor stalls while idling, remove idle passage tube and idle jet tube and clean with compressed air.

To Improve Acceleration: Examine pump link setting: For winter driving, link screw should be set in outer hole, giving long stroke; for hot weather, in high altitudes, pump link should be connected in inner hole, giving short stroke. If this does not give desired results, the main metering jet, pump metering jet, check valve assembly and pump valve assembly should be removed and cleaned with compressed air.

If Motor Loads—Check Float Level: Wear on lip of float lever will raise float level from factory setting, causing car-

bureter to load up. 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 sufficient. Be sure to bend lip of float, not bracket.

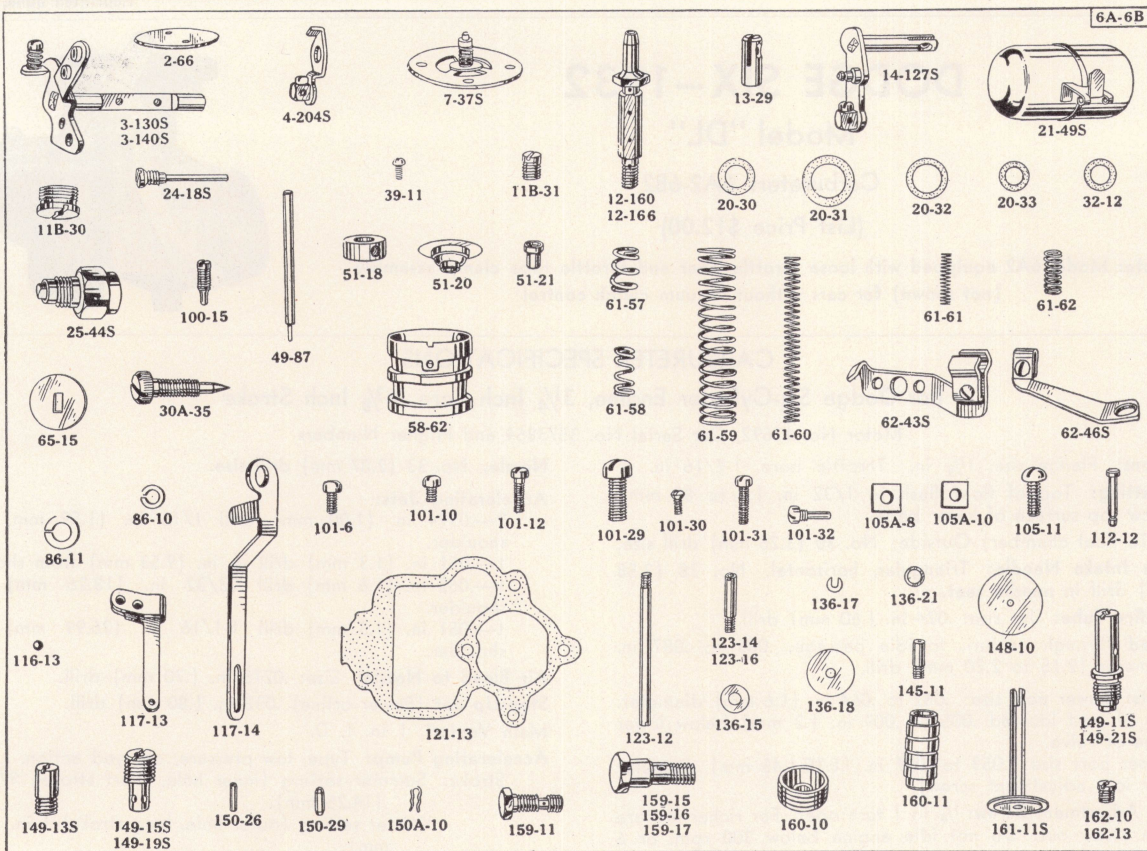
Economy: (a) Maximum economy is secured only when breaker points, spark plugs, valves and motor timing are set to manufacturer's specifications.

(b) Float level must be set as instructed above.

(c) Step-up valve cage assembly should be examined. Ball check in this assembly must seat and move freely. When re-assembling valve cage must be screwed in tight against seat.

(d) Step-up push rod must move freely in upper and lower guides.

(e) Step-up piston in upper casting should not bind and must be free from dirt.



Dodge Six "DL" 1932—Models 6A2-6B2—List Price \$12.00

WHEN SERVICING 6B2 CARBURETER, USE GASKET ASSORTMENT No. 104—List Price \$0.30

Parts Price List

Part No.	NAME OF PART	List Price	Part No.	NAME OF PART	List Price
2-66	Throttle valve.....	\$0.20	86-11	Body screw lock washer.....	.01
3-130S	Throttle shaft and lever assembly, 6-A2.....	.60	100-15	Collar screw, 6-A2.....	.05
3-140S	Throttle shaft and lever assembly, 6-B2.....	.60	101-6	Choke bracket attaching screw.....	.05
4-204S	Throttle lever assembly (loose), 6-A2 only.....	.30	101-10	Wire clamp screw.....	.05
7-37S	Choker valve assembly.....	.50	101-12	Choke tube clamp screw.....	.05
11B-12	Rivet plug.....	.02	101-29	Body attaching screw.....	.05
11B-26	Rivet plug.....	.02	101-30	Choke valve screw.....	.05
11B-30	Step-up piston plug.....	.10	101-31	Throttle lever adjusting screw.....	.05
11B-31	Idle hole plug.....	.10	101-32	Pump link screw.....	.05
12-166	Nozzle.....	.60	105-11	Throttle tube clamp screw, 6-A2.....	.05
13-29	Choker shaft (stub).....	.15	105A-8	Tube clamp nut, 6-A2.....	.05
14-127S	Choker assembly with clamp and screw.....	.40	105A-10	Choke tube clamp nut.....	.05
20-30	Nozzle gasket.....	.05	116-13	Step-up ball.....	.02
20-31	Needle seat gasket.....	.05	117-13	Pump link.....	.15
20-32	Metering screw gasket.....	.05	117-14	Choker link.....	.10
21-49S	Float and lever assembly.....	.80	121-13	Body gasket.....	.10
24-18S	Float lever pin and plug assembly.....	.10	123-12	Idle passage tube.....	.10
25-44S	Needle and seat assembly.....	.80	123-16	Idle orifice tube.....	.20
30A-35	Idle adjustment screw.....	.30	136-15	Choker link washer.....	.02
32-12	Pump rod gasket.....	.05	136-21	Plug washer.....	.01
39-11	Throttle valve screw.....	.05	145-11	Vent tube.....	.05
49-87	Step-up push rod.....	.10	149-13S	Check valve assembly.....	.30
51-18	Throttle shaft collar, 6-A2.....	.15	149-19S	Pump valve assembly.....	.30
51-20	Pump collar.....	.10	149-21S	Step-up valve assembly.....	.40
52-16	Pump sleeve.....	.20	150-26	Pump collar pin.....	.02
58-62	Venturi.....	.40	150-29	Venturi pin.....	.02
61-57	Idle adjustment screw spring.....	.05	150A-10	Pin spring.....	.01
61-58	Throttle lever adjusting screw spring.....	.05	159-15	Main metering screw (standard).....	.30
61-59	Pump spring.....	.10	159-16	Main metering screw, one size lean.....	.30
61-60	Step-up piston spring.....	.05	159-17	Main metering screw, two sizes lean.....	.30
61-61	Step-up spring.....	.05	160-10	Pump piston.....	.40
62-43S	Choke tube bracket assembly.....	.25	160-11	Step-up piston.....	.20
62-46S	Throttle tube clamp assembly, 6-A2 only.....	.25	161-11S	Pump rod plate and rod assembly.....	.30
65-15	Pump link cover plate.....	.02	162-13	Step-up jet (power orifice).....	.10
86-10	Body screw lock washer.....	.01			
86-11	Collar screw, 6-A2.....	.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, 6-A2.....	.05			
105A-8	Tube clamp nut, 6-A2.....	.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			
123-16	Idle orifice tube.....	.20			
136-15	Choker link washer.....	.02			
136-21	Plug washer.....	.01			
145-11	Vent tube.....	.05			
149-13S	Check valve assembly.....	.30			
149-19S	Pump valve assembly.....	.30			
149-21S	Step-up valve assembly.....	.40			
150-26	Pump collar pin.....	.02			
150-29	Venturi pin.....	.02			
150A-10	Pin spring.....	.01			
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			
162-13	Step-up jet (power orifice).....	.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.