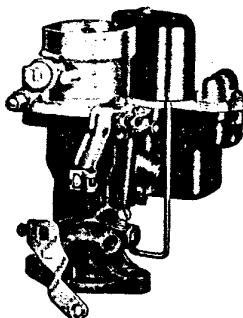


492S: FLEET ECONOMY MODEL

483S-574S: MASTER and MASTER DE LUXE MODELS

483S-515S-570S-574S: GOVERNMENT TRUCK

(Note: 483S-515S-570S-574S body painted black; 492S body painted brown)



CHEVROLET 1941-1946

(483S Superseded by 574S)
(492S Superseded by 616S)

Casting No. 421 on face of flange of 483S-515S-574S; No. 432 on 492S; No. 492 on 570S.
W-I DOWN-DRAFT CARBURETERS Nos. 483S-492S-515S-570S-574S — LIST PRICE \$12.00
A \$2.00 exchange allowance is deducted from list price if buyer turns in old carburetor.

CARBURETOR SPECIFICATIONS

For Chevrolet Six Cylinder Engine: 3 1/2 Inch Bore, 3 3/4 Inch Stroke (483S-492S-574S)

For Chevrolet Six Cylinder Engine: 3-9/16 Inch Bore, 3-15/16 Inch Stroke (515S-570S)

Dimensions: (All) Flange size, 1 1/4 inch S. A. E.

{All} Primary venturi, 1 1/32 inch I. D.

{All} Secondary venturi, 1 1/16 inch I. D.

{483S-515S-570S-574S} Main venturi, 1 1/4 inch I. D.

{492S} Main venturi, 1-1/16 inch I. D.

Float Level: (483S-492S-574S) Distance from float (at free end) to float chamber cover, when needle is seated, to be 1/2 inch plus or minus 1/64 inch; (515S-570S) 3/8 inch.

Vents: (All) Outside, none. Inside balance vent tube above choke valve 13/64 inch I. D.

Gasoline Intake: (All) Square vertical needle. Size No. 48 drill hole in needle seat.

Gasoline Line Connection: (483S-492S-515S) Compression type nipple, 5/16 inch. (570S-574S) 5/16 inch weatherhead nipple.

Low Speed Jet Tube: (483S-515S-570S-574S) Vertical jet size, .035 inch diameter.

{492S} Jet size, No. 72 drill.

{483S-515S-570S-574S} By-pass in body, size No. 51 drill.

{492S} By-pass in body, size No. 56 drill.

{All} Economizer jet; size .0545 to .0555 inch diameter.

Idle Ports: (All) Upper port diameter, No. 44 drill.

{483S-515S-570S-574S} Lower port diameter, No. 54 drill.

{492S} Lower port diameter, No. 52 drill (early production); No. 54 drill (late production).

Idle Port Opening: (483S-492S-515S-574S) Top of lower port .044 to .048 inch above top edge of valve, with valve closed tight.

{570S} Top of lower port .016 to .020 inch above top edge of valve with valve closed tight.

Idle Screw Seat: (All) Size No. 52 drill.

Set Idle Adjustment Screw: {All} 1/4 to 2/4 turns open. For richer mixture, turn screw out. Do not attempt to idle engine below 350 r. p. m.

Outer Nozzle: (All) In primary venturi, angle 30°. Discharge size, .125 inch diameter.

Inner Nozzle: (All) (Seats in outer nozzle) .120 inch I. D.

Nozzle Retainer Plug: {483S-515S-570S-574S} Jet size No. 31 drill. {492S} Jet size, No. 53 drill.

Metering Rod: {483S-574S—CIVILIAN VEHICLES} Economy step .067 inch diameter. Second step tapers to .062 inch diameter. Third step tapers to .060 inch diameter. Power step .046 inch diameter. Length 3 3/8 inches.

{483S-515S-570S-574S—MILITARY VEHICLES} Economy step .066 inch diameter. Second step tapers to .058 inch diameter. Power step .042 inch diameter. Length 3 3/8 inches.

{492S} Economy step .0645 inch diameter. Second step .063 inch diameter. Third step tapers to .061 inch diameter. Power step .046 inch diameter. Length 3 3/8 inches.

Metering Rod Jet: (483S-515S-570S-574S) Size .093 inch diameter. {492S} Size .0835 inch diameter.

Metering Rod Setting: (All) Use gauge, part No. T109-25 (2.795 inches).

Accelerating Pump: (All) Low pressure type with non-adjustable stroke.

{All} Discharge jet, size No. 72 drill.

{All} Intake disk check plug, size No. 62 drill.

{All} Discharge disk check plug, size No. 40 drill.

Choke: Manual—butterfly type, offset valve.

Throttle Valve: Opens to within 0° to 3° from perpendicular (483S-515S-570S-574S).

Throttle Lever: Restricts maximum speed to approximately 60 m.p.h. {492S}.

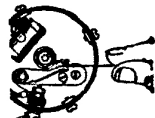
Vacuum Spark Port: {483S-492S-515S-574S} Slot type; size, .041 to .125. Bottom of port .000 to .004 above top of valve. {570S} None.

Motor Tune-Up—Be Accurate! Always Use Feeler Gauges!

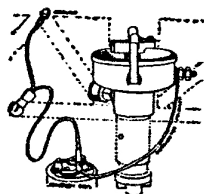
CAUTION: Change worn or leaky flange gaskets. Tighten manifold bolts and test compression before adjusting carburetor.



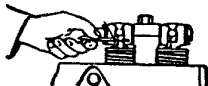
Spark Plug Gap
.040"



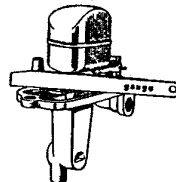
Set Breaker Points
.018"



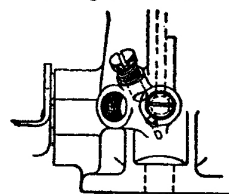
Use Neon Timing Light or Timing Light Breaker Points to open 5° before top dead center



Set Valves—Hot
Intake .006"-.008"
Exhaust .013"-.015"



Correct Float Level
(Remove Cork Gasket and measure from machined surface of float cover)
1/2 inch (483S-492S-574S)
3/8 inch (515S-570S)



Idle Adjustment Screw Setting
1/4 to 2/4 Turns Open

EFFECTIVE JANUARY 1, 1947, ADD 20% TO LIST PRICE OF CARBURETERS AND 5% TO ALL OTHER PRICES SHOWN WITH FRACTIONAL ADJUSTMENT TO NEAREST EVEN CENT.