

**b. Carter Carburetor Calibrations**

IMPORTANT: Calibrations are governed by the CODE number.

	401 Eng. Auto. Trans.	425 Eng. Auto. Trans.	401-425 Eng. Syn. Trans.	Dual 4-Bbl. All Front	Dual 4-Bbl. Rear-Auto.	Dual 4-Bbl. Rear-Syn.
Model Designation . . . . .	AFB	AFB	AFB	AFB	AFB	AFB
Number of Barrels . . . . .	4	4	4	4	4	4
Code Number, for Following . . . . .						
Calibrations . . . . .	3633S	3665S	3635S	3645S	3646S	3634S
Bore Diameter, Primary . . . . .	1 9/16"	1 9/16"	1 9/16"	1 9/16"	1 9/16"	1 9/16"
Large Venturi Diameter, Primary . . . . .	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"
Bore Diameter, Secondary . . . . .	1 11/16"	1 11/16"	1 11/16"	1 11/16"	1 11/16"	1 11/16"
Large Venturi Diameter, Secondary . . . . .	1 9/16"	1 9/16"	1 9/16"	1 9/16"	1 9/16"	1 9/16"
Float Level Adjustment . . . . .	7/32"	7/32"	7/32"	7/32"	9/32"	7/32"
Float Drop Adjustment . . . . .	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Float Needle Seat . . . . .	#38	#38	#38	#38	#38	#38
Low Speed Jet . . . . .	#65	#68	#68	#68	#68	#68
Idle Discharge Port . . . . .	.200" x .030"	.185" x .030"	.185" x .030"	.150" x .030"	.150" x .030"	.180" x .030"
Lower Idle Port . . . . .	#52	#52	#52	#69	#52	#52
Metering Jet, Primary . . . . .	120-256	120-256	120-256	120-256	120-256	120-256
Metering Jet, Secondary . . . . .						
Production . . . . .	120-158	120-159	120-165	120-222	120-222	120-222
High Altitude . . . . .	120-233	120-165	120-165	-	-	-
Metering Rod . . . . .						
Production . . . . .	16-219	16-167	16-219	16-268	16-219	16-298
High Altitude . . . . .	16-255	16-256	16-255	-	-	-
NOTE: Use High Altitude Kit Above 3500 Feet						
Use Kit Consisting of Secondary Jets, Primary Rods and Springs.						
Throttle Bore Vents . . . . .	#42	#42	#42	#42	#42	#42
Anti-Percolator or Main Bleed Hole . . . . .	#64	#64	#64	#64	#64	#64
Pump Setting at Closed Throttle . . . . .	7/16" Center Hole	7/16" Center Hole	7/16" Center Hole	1/2" Center Hole	1/2" Inner Hole	1/2" Inner Hole
Pump Discharge Jet . . . . .	#70	#70	#70	#70	#70	#70
Vacuum Spark Control Hole . . . . .	3/32"	3/32"	.130" x .040"	NONE	.130" x .040"	.130" x .040"
Choke Coil Housing Number . . . . .	170AW478S	170AW478S	170AW478S	NONE	170AW478S	170AW478S
Choke Thermostat Setting . . . . .	Index	Index	Index	Index	Index	Index
Choke Suction Hole . . . . .	#40	#40	#40	#40	#40	#40
Choke Piston Setting (With .026" Wire) . . . . .	.115"	.115"	.115"	.115"	.115"	.115"
Closing Shoe Clearance . . . . .	.020"	.020"	.020"	.020"	.020"	.020"
F. I. Cam Setting, Choke Closed . . . . .	Index	Index	Index	Index	Index	Index
F. I. Cam Number . . . . .	181-292	181-292	181-292	NONE	181-292	181-284
Unloader Opening at Choke . . . . .						
Valve Edge . . . . .	7/32"	7/32"	7/32"	7/32"	7/32"	7/32"
Initial Idle Speed . . . . .	1/2 Turn In	1/2 Turn In	1/2 Turn In	1/2 Turn In	1/2 Turn In	1/2 Turn In
Initial Idle Mixture . . . . .	3/4 Turn Out	3/4 Turn Out	3/4 Turn Out	3/4 Turn Out	2 Turns Out	2 Turns Out
Fast Idle Speed in Drive (Hot, on Low Step) . . . . .	600 RPM	600 RPM	600 RPM	NONE	600 RPM	600 RPM