



Delco Carburetor

ADJUSTMENT PROCEDURES — "B" - "BC" - "BV"

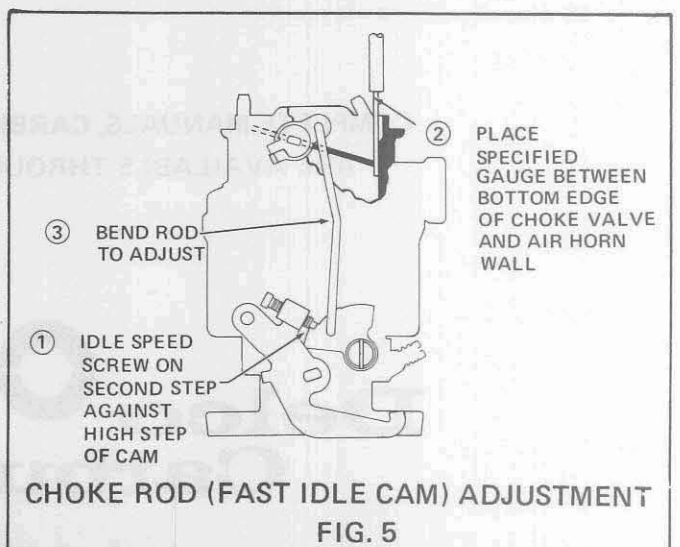
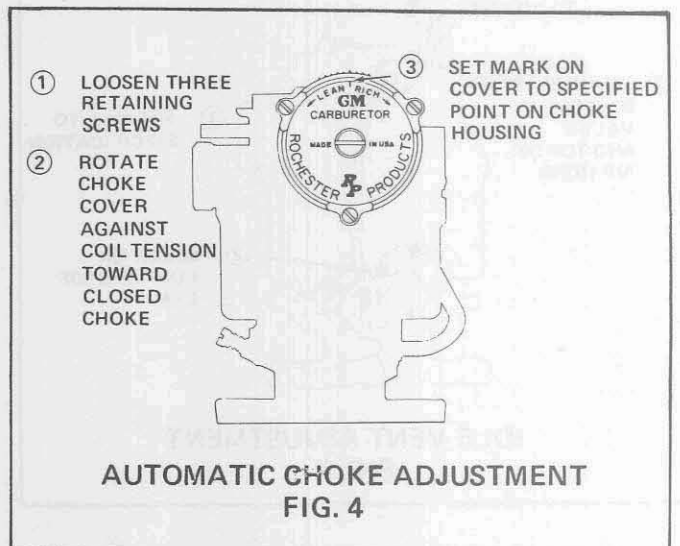
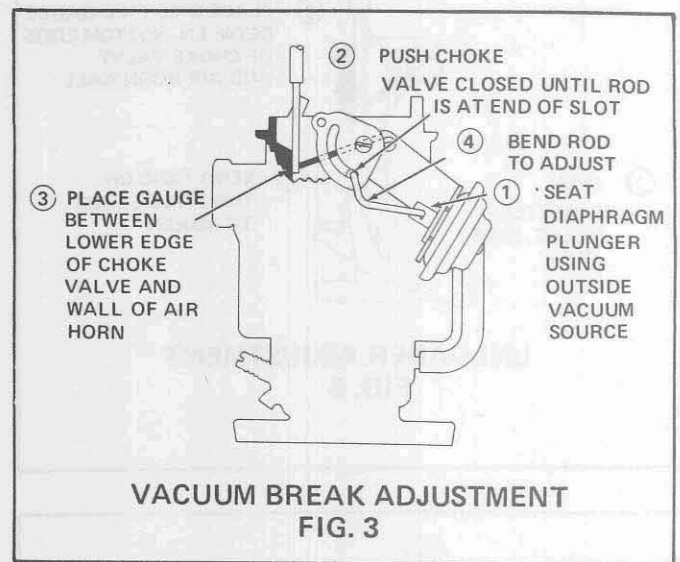
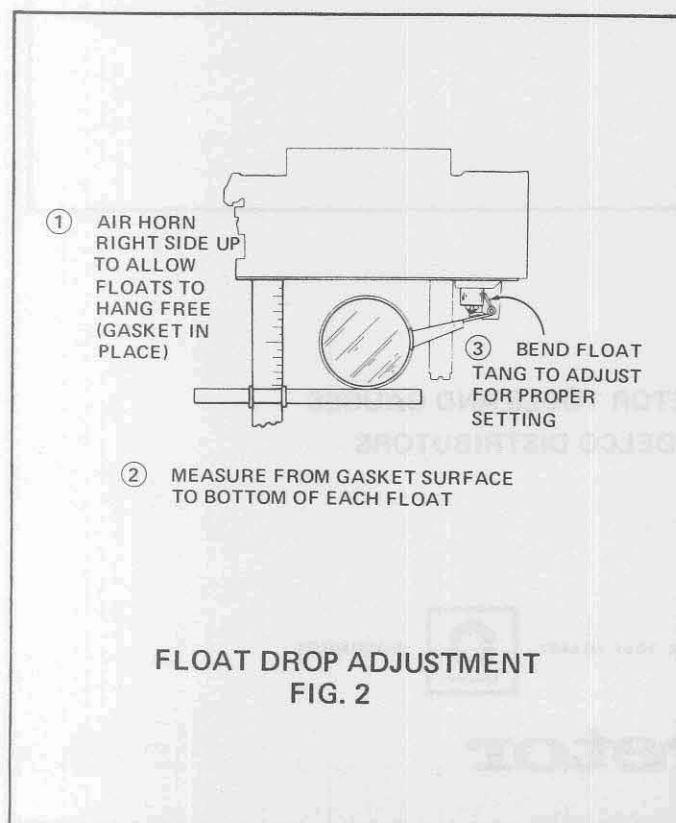
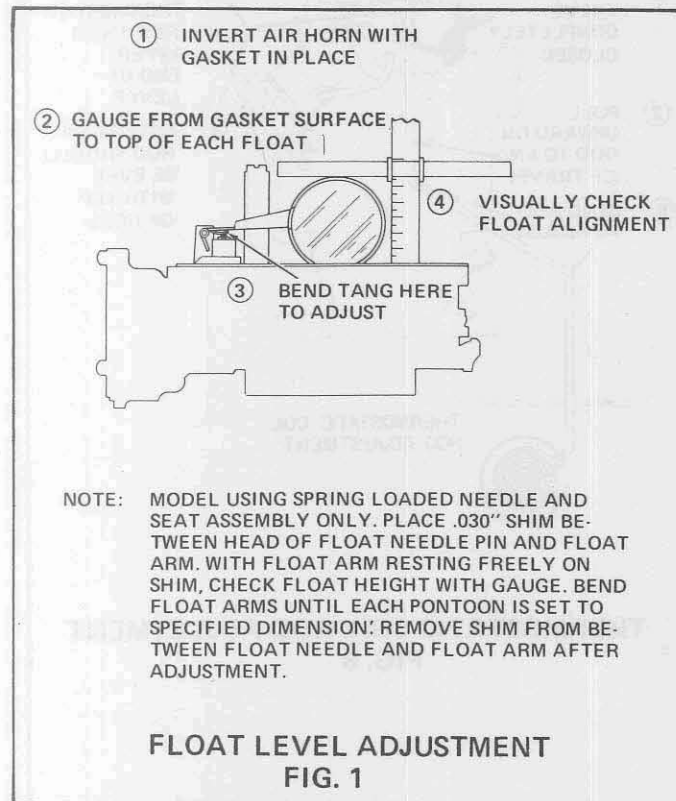
BULLETIN: 9D-2A

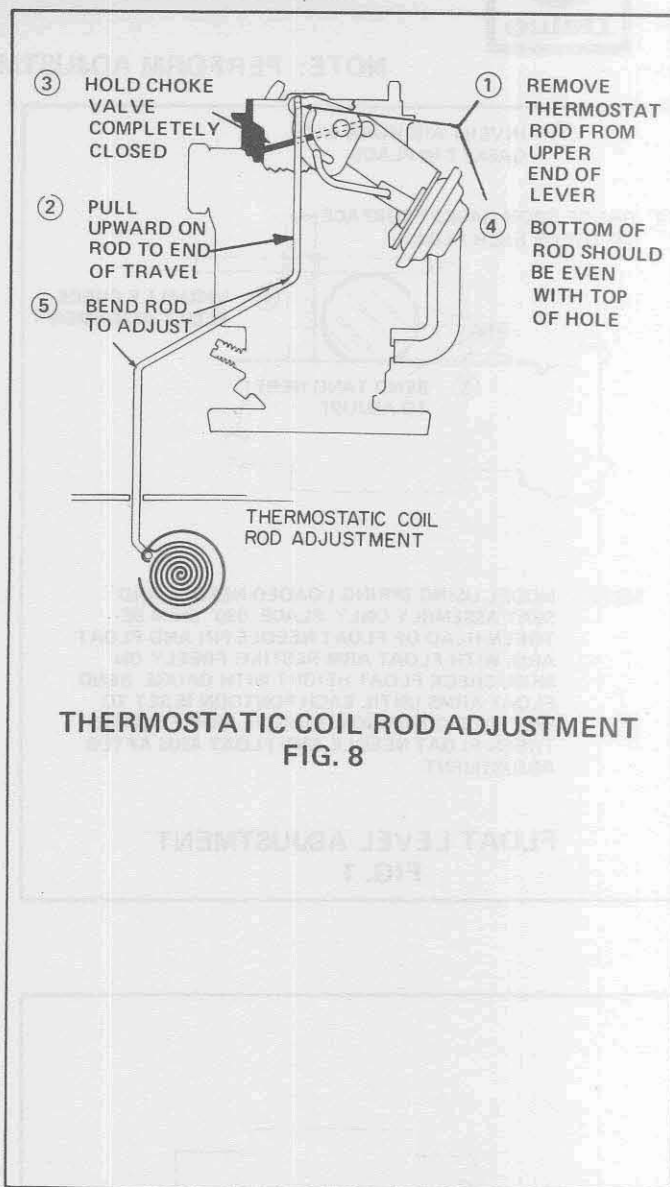
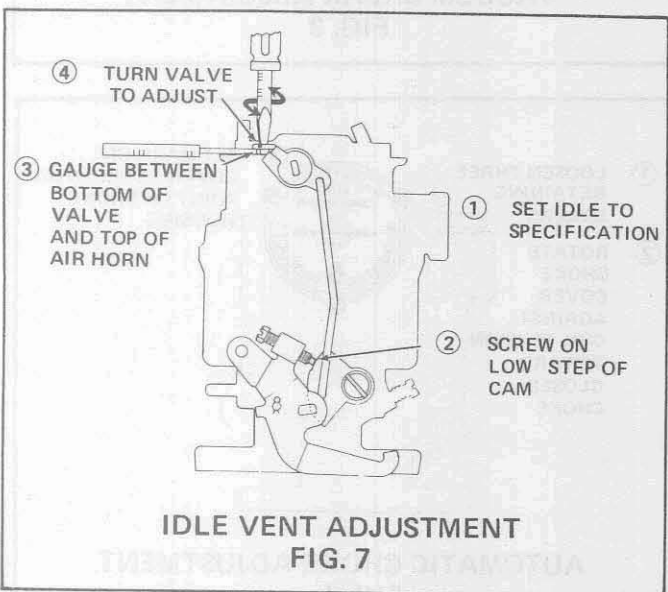
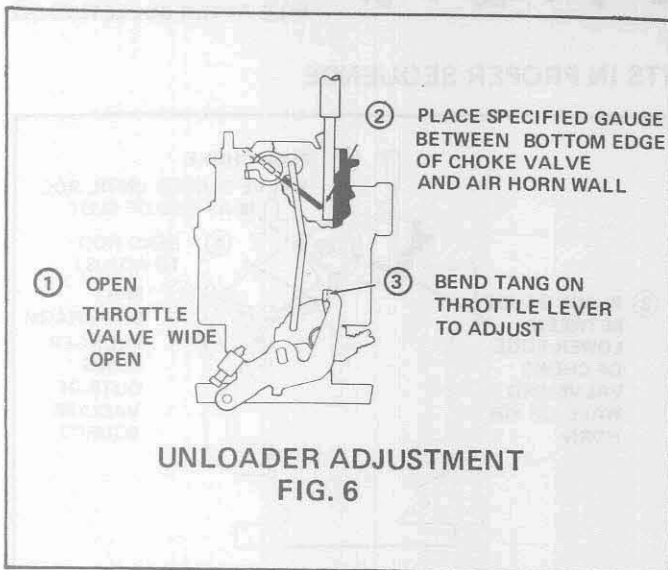
DATE: NOVEMBER 1971

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NOTE: PERFORM ADJUSTMENTS IN PROPER SEQUENCE





COMPLETE MANUALS, CARBURETOR TOOLS AND GAUGES
 ARE AVAILABLE THROUGH DELCO DISTRIBUTORS

Delco  **Carburetor**

ASK YOUR NEARBY



DISTRIBUTOR



Delco Carburetor

BULLETIN 9D-2S

DATE: NOVEMBER 1971

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FILE AFTER BULLETIN 9D-2A

ADJUSTMENT AND TUNE UP SPECIFICATIONS

MODELS "B" "BC" "BV"

CARBURETOR MODEL	B	BC	BC	B	BC
CARBURETOR NO.	7001374 7003864 7002050 7003865 7002051 7003986 7003060 7004475 7003152 7004476 7003160 7004477 7003863 7004495	7002870	7003526 7004620	7004468 7005140	7004478 7004915

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	See Note 1	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT										
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD (FAST IDLE CAM)					.070	5			.070	5
VACUUM BREAK										
UNLOADER					.230	6			.230	6
CHOKE SETTING			INDEX	4	A/T INDEX M/T 1NL	4			INDEX	4

TUNE UP SPECIFICATIONS

IDLE R.P.M.	450-N	A/T 375-D M/T 450-N	A/T 425-D M/T 475-N	A/T 450-D M/T 475-N	A/T 425-D M/T 475-N
IDLE R.P.M. — AIR COND.					
DWELL	34°		34°	32° See Note 2	41°
POINT GAP	.018	.022	.022	.016	.016
SPARK PLUG GAP	.035	.025	.035	.035	.035
TIMING — Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ IDLE	4° BTDC @ IDLE	TDC @ IDLE	Ball on Flywheel @ IDLE	TDC @ IDLE

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

NOTE 1: 1/4" Top of Float to Gasket

NOTE 2: 7004468 53-55 DWELL 42°

7005140 54 DWELL 42°

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	BC	BC	BC	BC	BC
CARBURETOR NO.	7005921	7006201	7007172	7009656	7010516
	7005922	7007950	7007180	7009657	7010517
	7005982	7009258	7007181	7009784	
		7009259	7009253	7011656	
		7010680	7009254	7011657	
			7009255		

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT										
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD (FAST IDLE CAM)	.075	5	.075	5	.075	5	.075	5	.075	5
VACUUM BREAK										
UNLOADER	.230	6	.230	6	.230	6	.230	6	.230	6
CHOKE SETTING	A/T - 2NL M/T - INDEX	4	INDEX	4	A/T - 2NL M/T - INDEX	4	3NL	4	2NL	4

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 425-D M/T 475-N	A/T 425-D M/T 475-N	A/T 425-D M/T 475-N	A/T 425-D M/T 475-N	
IDLE R.P.M. - AIR COND.					
FAST IDLE					
DWELL	40°	30°	See Note	32°	
POINT GAP	.015	.016	.016	.016	
SPARK PLUG GAP	.035	.035	.035	.035	
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	2° ATDC @ IDLE	TDC @ IDLE	TDC @ IDLE	TDC @ IDLE	

NOTE: 1955 DWELL 30°

1956 DWELL 32°



Delco Carburetor

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FILE AFTER BULLETIN 9D-2A

ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "B" "BC" "BV"

CARBURETOR MODEL	BC	BC	BC	B	BC
CARBURETOR NO.	7011102 7012127 7012129 7012502	7011870 7011871	7013000 7013003 7013005 7013955 7013956 7019000	7013029 7013953	7013080 7013081

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT										
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper R.P.M.									
CHOKE ROD (FAST IDLE CAM)	.075	5	.075	5	.040	5			.075	5
VACUUM BREAK										
UNLOADER	.230	6	.230	6	.230	6			.230	6
CHOKE SETTING	A/T INDEX M/T 1NL	4	A/T 2NL M/T 1NL	4	A/T 2NR M/T 1NR	4			A/T INDEX M/T 1NL	4

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 425-D M/T 475-N	A/T 425-D M/T 475-N	A/T 450-D M/T 475-N	475-N	A/T 425-D M/T 475-N
IDLE R.P.M. — AIR COND.					
FAST IDLE					
DWELL	32°	30°	32° - SEE NOTE	32°	30°
POINT GAP	.016	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.035	.035	.035
TIMING — Vacuum advance line MUST be disconnected and fitting plugged.	TDC @ IDLE	Ball on Flywheel @ IDLE	5° BTDC @ IDLE	Ball on Flywheel @ IDLE	7 1/2° BTDC @ 1000 RPM

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

NOTE: 7013955 — Dwell 30°

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	B	B	BC	BC	BC
CARBURETOR NO.	7015011	7019061	7019062	7020000	7020080
	7015013	7020061	7020062	7020003	7020081
	7015021			7020005	
				7020106	
				7020107	

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT										
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD (FAST IDLE CAM)					.080	5	.040	5	.075	5
VACUUM BREAK										
UNLOADER					.160	6	.230	6	.230	6
CHOKE SETTING					1961- 2NR 1962- INDEX	4	INDEX 7020003- 1NL	4	1NR	4

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 450-D M/T 475-N	700-N	600-D	A/T 450-D M/T 475-N	A/T 450-D M/T 475-N
IDLE R.P.M. - AIR COND.					
FAST IDLE					
DWELL	32°	See Note	See Note	32°	30°
POINT GAP	.016	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.035	.035	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ IDLE	6° BTDC @ IDLE	6° BTDC @ IDLE	5° BTDC @ IDLE	2 1/2 BTDC @ IDLE

NOTE: 1961 DWELL 75°

1962 DWELL 33°



Delco Carburetor

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ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "B" "BC" "BV"

CARBURETOR MODEL	B	BC	BC	BV	BV
CARBURETOR NO.	7020103 7020104 7020114 7020115	7020105 7020108	7020994 7020996	7023000 7023003	7023004 7023005

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
ADJUSTMENT										
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT							.050	7	.050	7
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper R.P.M.									
CHOKE ROD (FAST IDLE CAM)			.040	5			.060	5	.040	5
VACUUM BREAK							.160	3	.160	3
UNLOADER			.230	6	.230	6	.350	6	.350	6
CHOKE SETTING			INDEX	4	INDEX	4	Bottom Of Rod Even With Top Of Hole	8	Bottom Of Rod Even With Top Of Hole	8

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 500-D M/T 475-N	A/T 600-D M/T 550-N	550-N	A/T 500-D M/T 450-N	A/T 450-D M/T 450-N
FAST IDLE					
DWELL	30°	32°	32°	32°	32°
POINT GAP	.016	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.035	.035	.035
TIMING — Vacuum advance line MUST be disconnected and fitting plugged	4° BTDC @ Idle	8° BTDC @ Idle	10° BTDC @ Idle	4° BTDC @ Idle	4-8° BTDC @ Idle

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

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	B	B-BC	BV	BV	BC
CARBURETOR NO.	7023011 7026017 7023013 7026029 7023017 7027009 7023021 7027011 7024009 7027029 7024082 7036009 7026011 7037009	7023067 7023068	7023105 7023108	7024000 7024001	7024083

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION			A/T INNER M/T OUTER							
IDLE VENT	.055	7			.050	7	.050	7		
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper R.P.M.									
CHOKE ROD (FAST IDLE CAM)			.080*	5	.060	5	.100	5	.045	5
VACUUM BREAK					See Note	3	.260	3		
UNLOADER			.160*	6	.350	6	.350	6	.230	6
CHOKE SETTING			Index*	4	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Index	4

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 450-D M/T 475-N	A/T 600-D M/T 700-N	A/T 500-D M/T 450-N	A/T 500-D M/T 500-N	600-N
IDLE R.P.M. - AIR COND.					
FAST IDLE					
DWELL	32°	33°	32°	32°	28-30°
POINT GAP	.016	.016	.016	.016	.015
SPARK PLUG GAP	.035	.035	.035	.035	.033
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	Ball on Flywheel @ Idle	6° BTDC @ Idle	6-10° BTDC @ Idle	4-8° BTDC @ Idle	5° BTDC @ Idle

*BC Model Only

NOTE: 7023105 - .160
7023108 - .140



Delco Carburetor

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FILE AFTER BULLETIN 9D-2A

ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "B" "BC" "BV"

CARBURETOR MODEL	BC	BC	BV	BV	BV
CARBURETOR NO.	7024087	7024148	7024164	7024184	7025000
	7024089	7024149	7024166	7026083	7025108
	7024180	7025148			7026028
	7024181	7025149			

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-7/8	2	1-3/4	2	1-3/4	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT					.040	7	.050	7	.050	7
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper R.P.M.									
CHOKE ROD (FAST IDLE CAM)			.075	5	.060	5	.060	5	.090	5
VACUUM BREAK					.140	3	.160	3	.140	3
UNLOADER	.230	6	.300	6	.230	6	.350	6	.350	6
CHOKE SETTING	Index	4	Index	4	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8

TUNE UP SPECIFICATIONS

IDLE R.P.M.	550-N	600-N	A/T 500-D M/T 600-N	450-500-D	A/T 450-D M/T 475-N
IDLE R.P.M. - AIR COND.		600-N			
FAST IDLE					
DWELL	32° See Note 1	31-34°	32°	32°	32°
POINT GAP	.016 See Note 2	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.035	.033-.038	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged	7024087-089	5° BTDC @ IDLE	4° BTDC @ IDLE	4° BTDC @ IDLE	194 cu. in.
	5° BTDC @ IDLE				6-12° BTDC
	7024180-181				230 & 250 cu. in.
	6° BTDC @ IDLE				4-8° BTDC @ IDLE

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

NOTE 1: 7024087 - Dwell 30°

NOTE 2: 7024180-181 - Pt. gap .022

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	BV	BV	BV	BV	BV
CARBURETOR NO.	7025003 7025105 7026027	7025004 7025005	7025087	7025167 7025168	7025182

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-7/8	2	1-3/4	2
PUMP ROD LOCATION										
IDLE VENT	.050	7	.050	7	.050	7	.040	7	.050	7
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper R.P.M.									
CHOKE ROD (FAST IDLE CAM)	.100	5	.060	5	.090	5	.060	5	.090	5
VACUUM BREAK	.160	3	.160	3	.140	3	.160*	3	.140	3
UNLOADER	.350	6	.350	6	.350	6	.230	6	.350	6
CHOKE SETTING	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 450-D M/T 475-N	A/T 450-D M/T 475-N	A/T 450-D M/T 475-N	A/T 500-D M/T 600-N	A/T 450-D M/T 475-N
IDLE R.P.M. — AIR COND.					
FAST IDLE					
DWELL	32°	32°	32°	32°	32°
POINT GAP	.016	.016	.016	.019	.016
SPARK PLUG GAP	.035	.035	.035	.035	.035
TIMING — Vacuum advance line MUST be disconnected and fitting plugged	194 cu. in. 6-12° BTDC 230 & 250 cu. in. 4-8° BTDC @ Idle	4-8° BTDC @ Idle	6-10° BTDC @ Idle	4° BTDC @ Idle	4-8° BTDC @ Idle

*7025168 — .140



Delco Carburetor

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FILE AFTER BULLETIN 9D-2A

ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "B" "BC" "BV"

CARBURETOR MODEL	B-BC		B		BV		BV		BV	
CARBURETOR NO.	7025183 7025184		7026019		7026085		7026167 7036167 7026168 7036168 7027167 7037167 7027168 7037168		7028168	
ADJUSTMENT SPECIFICATIONS										
ADJUSTMENT BULLETIN NO.	9D-2A		9D-2A		9D-2A		9D-2A		9D-2A	
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	See Note	1	1-9/32	1	1-9/32	1	1-9/32	1	1-9/32	1
FLOAT DROP	1-3/4	2	1-3/4	2	1-3/4	2	1-7/8	2	1-7/8	2
PUMP ROD LOCATION										
IDLE VENT					.050	7	.040	7	.040	7
FAST IDLE (bench)	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD (fast idle cam)					.050	5	.060	5	.060	5
VACUUM BREAK					.160	3	.170*	3	.160	3
UNLOADER	.230	6			.350	6	.230	6	.230	6
CHOKE SETTING	INDEX	4			Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8	Bottom of rod even with top of hole	8
TUNE UP SPECIFICATIONS										
IDLE R.P.M.	550-N		475-N		A/T 450-D M/T 475-N		A/T 500-D M/T 600-N		A/T 500-D M/T 600-N	
IDLE R.P.M. A.I.R.							A/T 600-D M/T 700-N		A/T 600-D M/T 700-N	
IDLE R.P.M. – AIR COND.							A/T 500-D M/T 600-N A-C ON			
DWELL	32°		32°		32°		32°		32°	
POINT GAP			.016		.016		.016		.016	
SPARK PLUG GAP	.035		.035		.035		.035		.035	
TIMING – Vacuum advance line MUST be disconnected and fitting plugged	6° BTDC @ Idle		6° BTDC @ Idle		6-10° BTDC @ Idle		5° BTDC @ Idle A.I.R.		TDC @ Idle	
							-5° ATDC @ Idle 1967 TDC @ Idle			

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

NOTE: 1-9/32 with 1/32 shim between needle and float.

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*VAC. BREAK: .160 on 7027168, 7037168
.150 on 7036168
.140 on 7026168

