

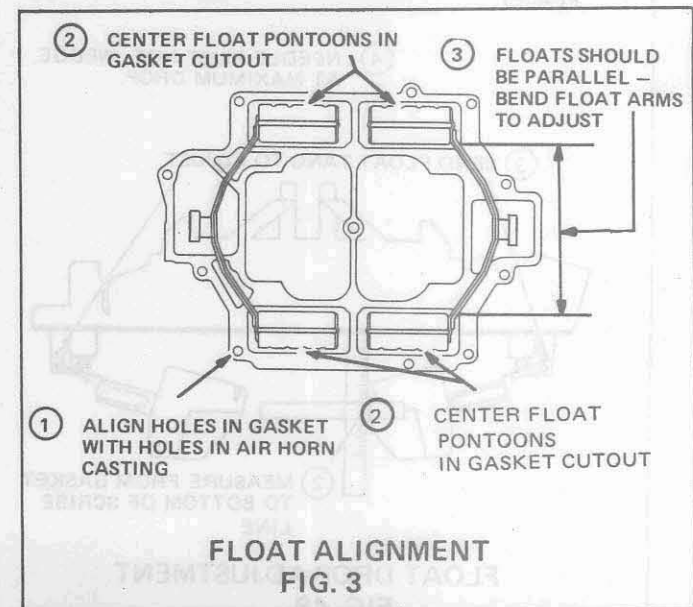
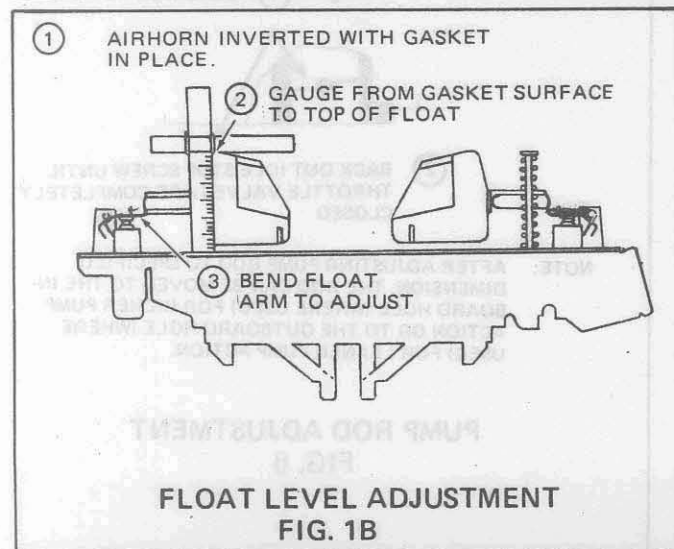
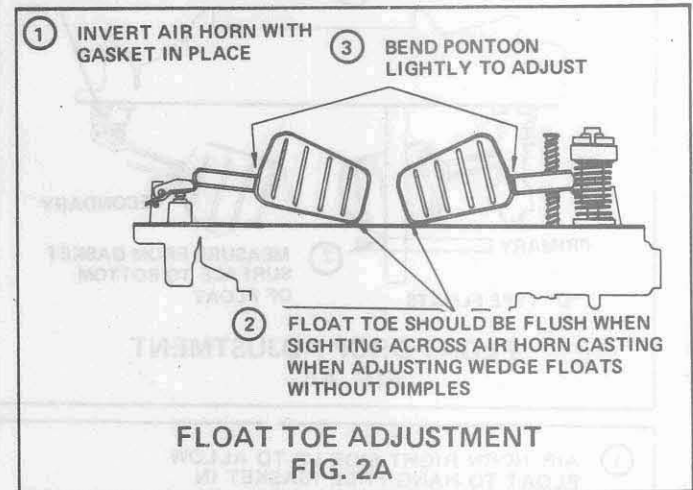
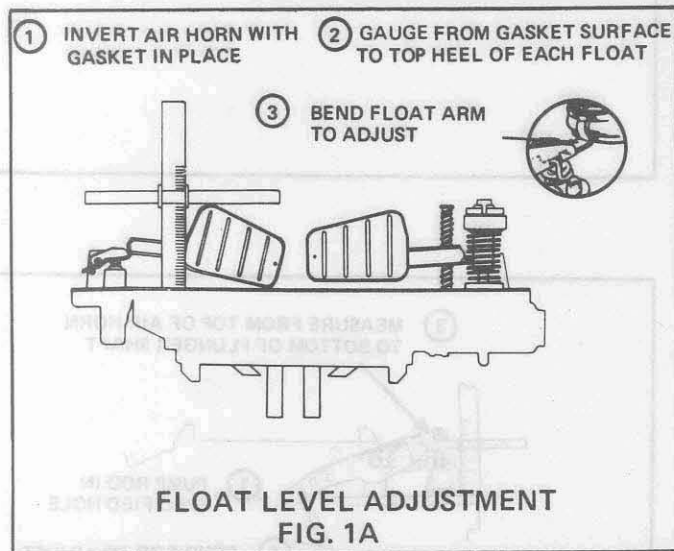
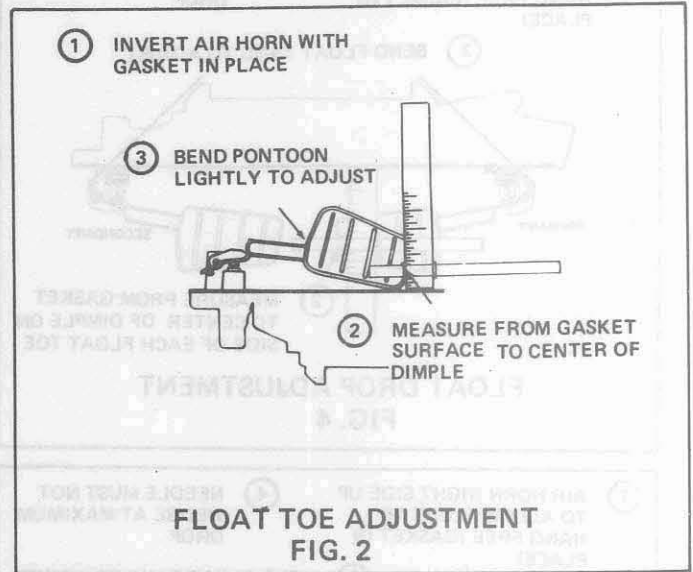
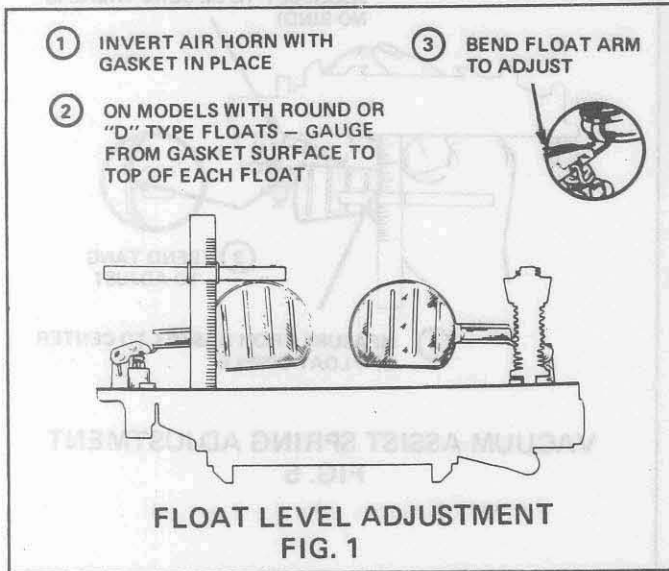


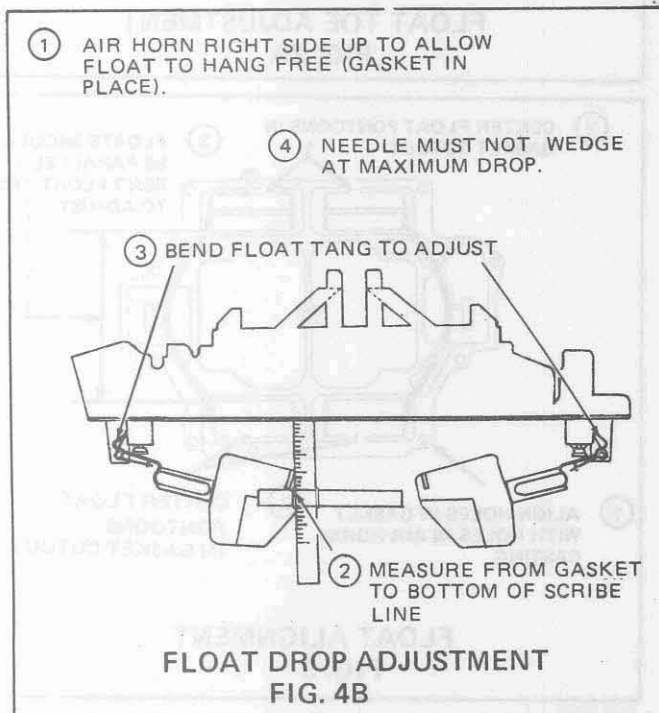
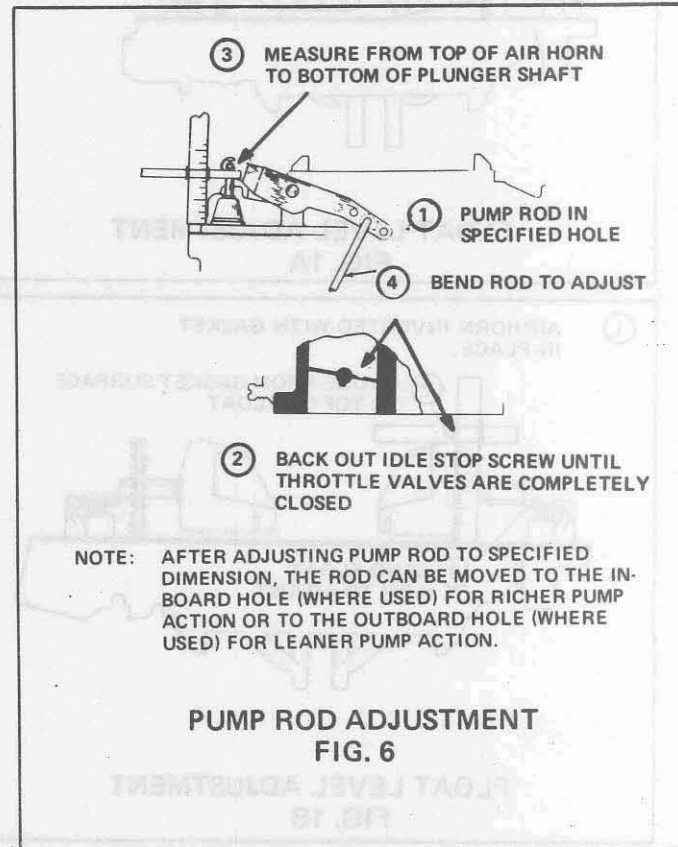
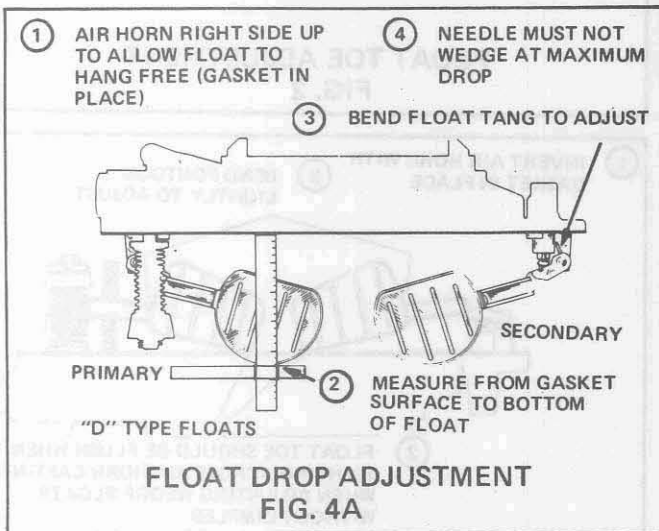
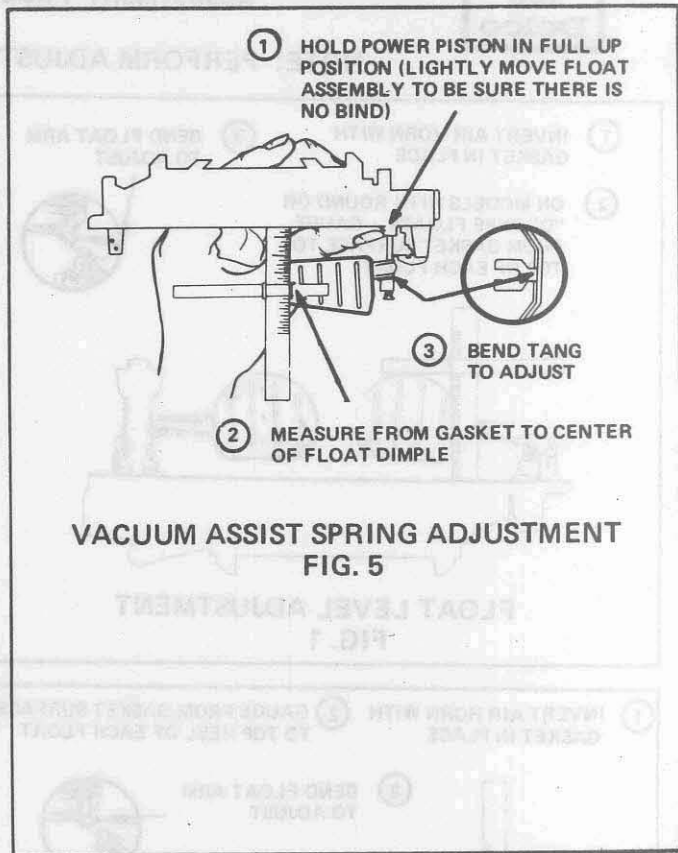
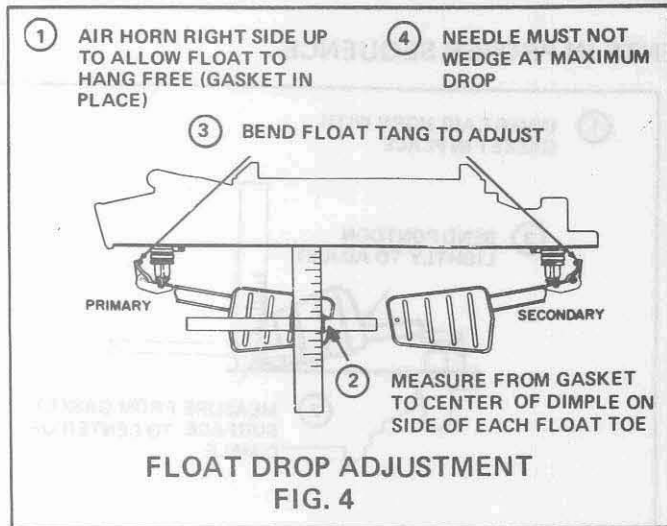
Delco Carburetor

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ADJUSTMENT PROCEDURES — "4G" "4GC"

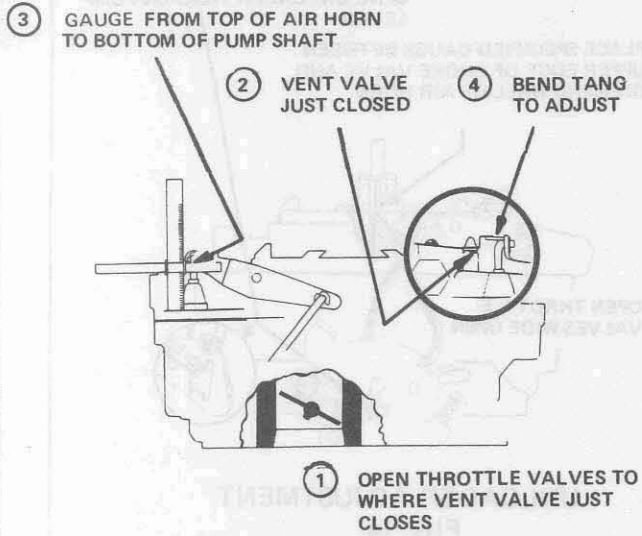
NOTE: PERFORM ADJUSTMENTS IN PROPER SEQUENCE







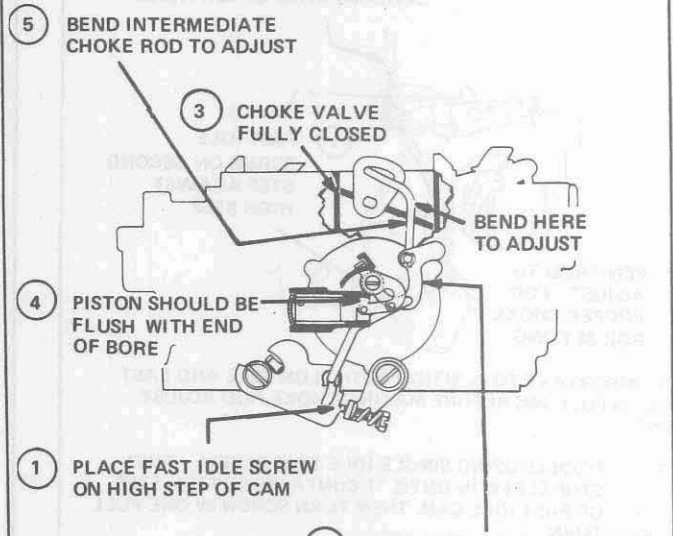
NOTE: PERFORM ADJUSTMENTS IN PROPER SEQUENCE



NOTE: ON OLDER MODELS, ADJUST BY BENDING TANG THAT CONTACTS FACE OF VALVE UNDER PUMP LEVER.

NOTE: MAKE PUMP ROD ADJUSTMENT FIRST.

IDLE VENT ADJUSTMENT FIG. 7



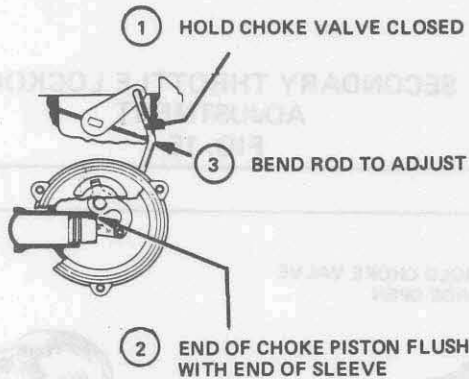
INTERMEDIATE CHOKE ADJUSTMENT FIG. 9

- 1 LOOSEN THREE RETAINING SCREWS
- 2 ROTATE CHOKE COVER AGAINST COIL TENSION TOWARD CLOSED CHOKE



- 3 SET MARK ON COVER TO SPECIFIED POINT ON CHOKE HOUSING

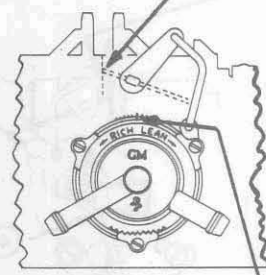
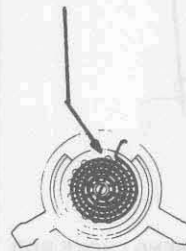
AUTO CHOKE ADJUSTMENT FIG. 10



NOTE: THIS APPLIES ONLY TO MODELS WITH CHOKE ON THROTTLE BODY OR BOWL.

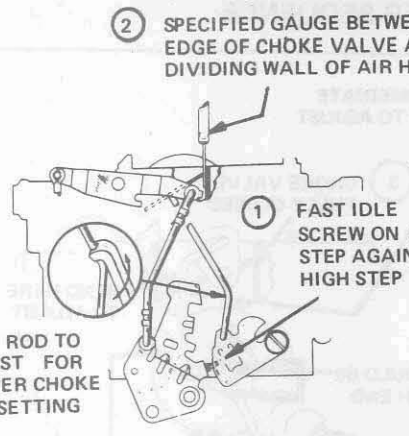
INTERMEDIATE CHOKE ROD ADJUSTMENT FIG. 8

- 2 ALIGN INSIDE CHOKE COVER WITH INDEX MARKS ON OUTER COVER
- 4 CHOKE VALVE SHOULD BE JUST CLOSED



- 1 LOOSEN THREE RETAINING SCREWS AND REMOVE OUTER CHOKE COVER
- 3 ROTATE COVER COUNTER CLOCKWISE — ALIGN INDEX MARKS AS SPECIFIED

HOT WATER CHOKE COIL ADJUSTMENT FIG. 11



② SPECIFIED GAUGE BETWEEN UPPER EDGE OF CHOKE VALVE AND DIVIDING WALL OF AIR HORN

① FAST IDLE SCREW ON SECOND STEP AGAINST HIGH STEP

③ BEND ROD TO ADJUST FOR PROPER CHOKE ROD SETTING

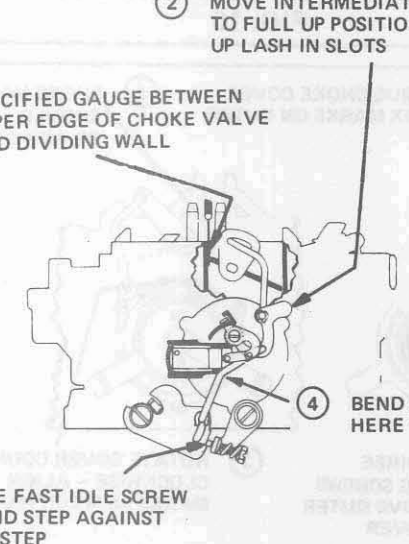
IT IS IMPORTANT TO POSITION BOTH SLOW IDLE AND FAST IDLE AS FOLLOWS BEFORE MAKING CHOKE ROD ADJUSTMENT:

STEP 1 MODELS USING SINGLE IDLE STOP SCREW – TURN STOP SCREW IN UNTIL IT CONTACTS BOTTOM STEP OF FAST IDLE CAM. THEN TURN SCREW IN ONE FULL TURN.

MODELS USING SEPARATE FAST IDLE SCREW – TURN SLOW IDLE STOP SCREW IN UNTIL IT TOUCHES STOP, THEN TURN ONE FULL TURN. THEN TURN THE FAST IDLE SCREW IN UNTIL IT TOUCHES BOTTOM STEP OF FAST IDLE CAM.

STEP 2 AFTER POSITIONING SLOW IDLE AND FAST IDLE SCREWS AS DESCRIBED ABOVE, POSITION IDLE SCREW ON SECOND STEP OF FAST IDLE CAM AGAINST THE SHOULDER OF THE HIGH STEP. THEN CHECK CLEARANCE BETWEEN UPPER EDGE OF CHOKE VALVE AND AIR HORN WALL. BEND CHOKE ROD, TO ADJUST.

CHOKE ROD ADJUSTMENT
FIG. 12



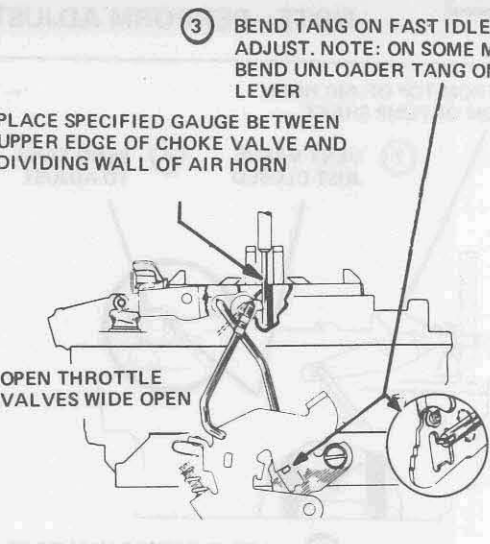
② MOVE INTERMEDIATE LEVER TO FULL UP POSITION TO TAKE UP LASH IN SLOTS

③ SPECIFIED GAUGE BETWEEN UPPER EDGE OF CHOKE VALVE AND DIVIDING WALL

④ BEND CHOKE ROD HERE TO ADJUST

① PLACE FAST IDLE SCREW ON 2ND STEP AGAINST HIGH STEP

CHOKE ROD ADJUSTMENT
FIG. 13

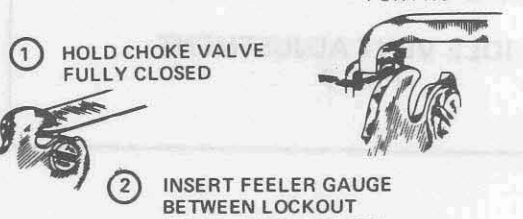


③ BEND TANG ON FAST IDLE CAM TO ADJUST. NOTE: ON SOME MODELS, BEND UNLOADER TANG ON PUMP LEVER

② PLACE SPECIFIED GAUGE BETWEEN UPPER EDGE OF CHOKE VALVE AND DIVIDING WALL OF AIR HORN

① OPEN THROTTLE VALVES WIDE OPEN

UNLOADER ADJUSTMENT
FIG. 14

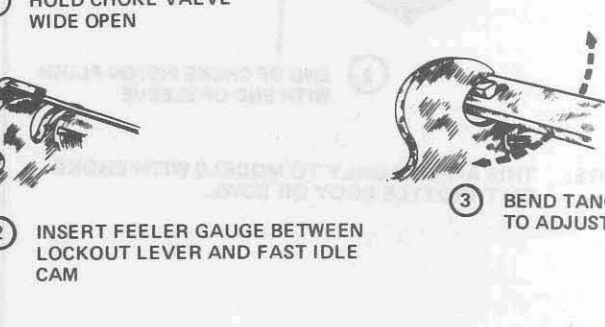


③ BEND TANG TO ADJUST FOR PROPER SETTING

① HOLD CHOKE VALVE FULLY CLOSED

② INSERT FEELER GAUGE BETWEEN LOCKOUT LEVER AND FAST IDLE CAM

SECONDARY THROTTLE LOCKOUT ADJUSTMENT
FIG. 15



① HOLD CHOKE VALVE WIDE OPEN

② INSERT FEELER GAUGE BETWEEN LOCKOUT LEVER AND FAST IDLE CAM

③ BEND TANG TO ADJUST

SECONDARY THROTTLE LOCKOUT CONTOUR ADJUSTMENT
FIG. 16

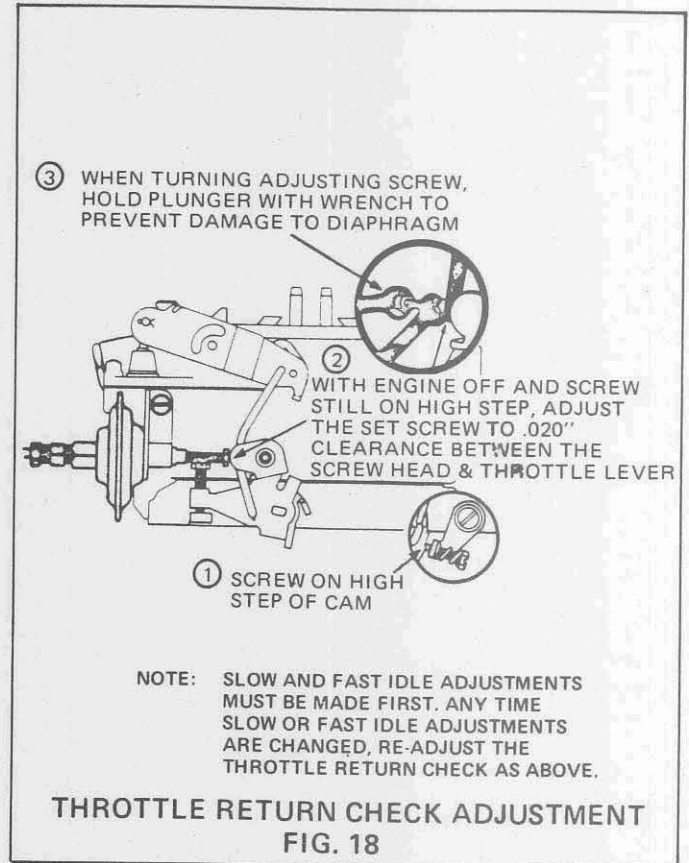
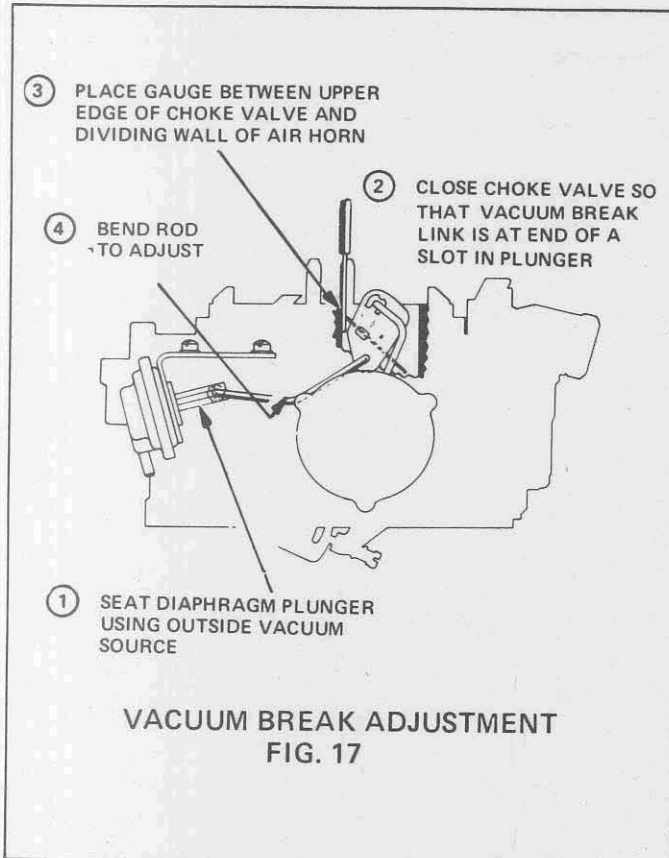


Delco Carburetor

ADJUSTMENT PROCEDURES — "4G" "4GC"

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NOTE: PERFORM ADJUSTMENTS IN PROPER SEQUENCE



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

Delco  ASK YOUR NEARBY  DISTRIBUTOR
Carburetor



Delco Carburetor

BULLETIN 9D-4S
 DATE: NOVEMBER 1971
 PAGE 1
 FILE AFTER BULLETIN 9D-4A

ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7004300	7004500	7005900	7006200	7006220
	7004800	7005100	7006000	7009100	7006221
	7005600	7006215	7007000	7009200	7006962
	7005700		7007221		7006963
	7006250		7007222		

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A		
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	
FLOAT LEVEL	PRIMARY	NOTE 1	1	NOTE 3	1	1-5/8	1	1-9/16	1	1-19/32	1
	SECONDARY	NOTE 1	1	NOTE 3	1	1-5/8	1	1-9/16	1	1-19/32	1
FLOAT TOE	PRIMARY										
	SECONDARY										
FLOAT DROP	PRIMARY	NOTE 2	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A
	SECONDARY	NOTE 2	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING											
PUMP ROD LOCATION											
PUMP ROD	1-1/16	6	15/16	6	1-1/16	6	1-1/16	6	15/16	6	
IDLE VENT	1	7	7/8	7	15/16	7			27/32	7	
INTERMEDIATE CHOKE ROD							FLUSH	8			
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD	.055	12	.030	12	.050	12	.140	12	.040	12	
UNLOADER	.090	14	.070	14	.120	14	.120	14	.130	14	
SECONDARY LOCKOUT	.015	15	.015	15	.015	15	.015	15	.015	15	
SECONDARY CONTOUR	.035	16	.015	16	.030	16	.030	16	.015	16	
TROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE	INDEX	10	1NR	10	NOTE 4	10	INDEX	10	1NR	10	
THROTTLE RETURN CHECK					.030	18					

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 375-D M/T 425-N	380-D	A/T 400-D M/T 425-N	450-D	400-D
IDLE R.P.M. - AIR COND.					
FAST IDLE	1450-N HIGH STEP	1700-N	1500-N HIGH STEP	1700-N	1700-N
DWELL	26-33°	30°	26-33°	27°	30°
POINT GAP	.016	.015	.016	.015	.015
SPARK PLUG GAP	.030	.035	.030	.033	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ 800 RPM	1952 5° BTDC 1953 2½° BTDC @ IDLE	5° BTDC @ IDLE	5° BTDC @ IDLE	2½° BTDC @ IDLE

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

NOTE 1: 1952 1-3/8, 1953 1-9/16
 NOTE 2: 1952 1-15/16, 1953 2-1/4
 NOTE 3: 1952 1-3/4, 1953 1-9/16
 NOTE 4: 1954-5 A/T INDEX, OTHERS 1NL

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7007240	7007800	7007970 7009750	7008737	7009470
	7007241	7007900	7007971 7009751	7009846	7009471
	7007942	7008697	7008750 7009901	7012126	7010925
	7015510		7008751 7009914		7010926
			7009070 7015500		
			7009071 7015501		

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A		
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	
FLOAT LEVEL	PRIMARY	1-19/32	1	1-19/32	1	1-19/32	1	1-5/8	1	1-5/8	1
	SECONDARY	1-19/32	1	1-19/32	1	1-19/32	1	1-5/8	1	1-5/8	1
FLOAT TOE	PRIMARY										
	SECONDARY										
FLOAT DROP	PRIMARY	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A
	SECONDARY	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A	2-1/4	4A
FLOAT ALIGNMENT		-	3	-	3	-	3	-	3	-	3
VACUUM ASSIST SPRING											
PUMP ROD LOCATION											
PUMP ROD		1-1/16	6	NOTE 1	6	NOTE 2	6	1-1/16	6	1-1/16	6
IDLE VENT		7/8	7	27/32*	7	7/8	7			13/16	7
INTERMEDIATE CHOKE ROD										FLUSH	8
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD		.040	12	.050	12	.040	12	.045	12	.050	12
UNLOADER		.130	14	.120	14	.130	14	.230	14	.090	14
SECONDARY LOCKOUT		.015	15	.015	15	.015	15	.015	15	.015	15
SECONDARY CONTOUR		.015	16	.015	16	.015	16	.015	16	.030	16
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE		1NR	10	INDEX	10	INDEX	10	1NL	10	INDEX	10
THROTTLE RETURN CHECK										.020	18

TUNE UP SPECIFICATIONS

	425-D	7007800 450-D 7007900 450-N 7008697 450-N	400-D	A/T 425-D	M/T 475-N	A/T 450-D	M/T 475-N
IDLE R.P.M.	425-D		400-D	425-D	475-N	450-D	475-N
IDLE R.P.M. - AIR COND.							
FAST IDLE	2000-N	1700-N HIGH STEP	1700-N				1500-N HIGH STEP
DWELL	30°	30°	30°	30°			26-33°
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.	2 1/2-BTDC @ IDLE	5°-BTDC @ IDLE	1955 2-1/2°-BTDC 1956 5° -BTDC @ IDLE	4°-BTDC @ IDLE			5°-BTDC @ IDLE

NOTE 1: 7007800 1-1/16; 7007900, 7008697 - 15/16

NOTE 2: 1955 - 1

*1956 ONLY

1956 - 1-1/16



Delco Carburetor

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ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4G	4GC	4GC	4GC	4GC
CARBURETOR NO.	7009661	7009820	7009829	7010070	7010100
	7009662	7010600	7009830	7011570	7010101
	7011161			7011600	7012000
	7011162				7012001

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A		
	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	
FLOAT LEVEL	PRIMARY	NOTE 1	1-19/32	1	1-3/8	1A	1-3/8	1A	1-3/8	1A	
	SECONDARY	NOTE 1	1-19/32	1	1-3/8	1A	1-3/8	1A	1-3/8	1A	
FLOAT TOE	PRIMARY				FLUSH	2A	FLUSH*	2A	FLUSH	2A	
	SECONDARY				FLUSH	2A	FLUSH*	2A	FLUSH	2A	
FLOAT DROP	PRIMARY	2-1/4	4A	2-1/4	4A	1-13/16	4	1-13/16*	4	1-13/16	4
	SECONDARY	2-1/4	4A	2-1/4	4A	1-13/16	4	1-13/16*	4	1-13/16	4
FLOAT ALIGNMENT		3		3		3		3		3	
VACUUM ASSIST SPRING											
PUMP ROD LOCATION							CENTER	6			
PUMP ROD		1-1/16	6	29/32	6	15/16	6	1-1/32	6	15/16	6
IDLE VENT					27/32	7				7/8	7
INTERMEDIATE CHOKE ROD					FLUSH	8	FLUSH	8	FLUSH	8	
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD			.050	12	.065	12	.150	12	.040	12	
UNLOADER			.120	14	.120	14	.130	14	.130	14	
SECONDARY LOCKOUT			.015	15	.015	15	.015	15	.015	15	
SECONDARY CONTOUR			.015	16	.015	16	.030	16	.015	16	
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE			INDEX	10	INDEX	10	INDEX	10	INDEX	10	
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

IDLE R.P.M.	475-N	A/T 500-D M/T 525-N	450-D	450-D
IDLE R.P.M. - AIR COND.		560-N A/C OFF	(7011600) 550-N	
FAST IDLE		1700-N HIGH STEP	1500-N HIGH STEP	1700-N HIGH STEP
DWELL	30°	30°	30°	30°
POINT GAP	.016	.016	.015	.016
SPARK PLUG GAP	.035	.035	.033	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ IDLE	6° BTDC @ IDLE	5° BTDC @ IDLE	5° BTDC @ IDLE

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

NOTE:

283 cu in 1-5/8
 322 cu in 1-9/16

*7011600

Float toe 3/8. Fig. 2
 Float drop 1-5/16

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7011108	7011487 7013025	7011701	7012010	7012400 7013952
	7012128	7012145 7015025		7012011	7012401 7019050
		7012303 7020025			7013050 7019054
		7013021 7020029			7013150 7020950
		7013023			7013950 7020955

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-5/8	1	1-5/8	1	1-15/32	1A	1-3/8	1A	1-15/32	1A
	SECONDARY	1-11/16	1	1-11/16	1	1-3/8	1A	1-3/8	1A	1-3/8	1A
FLOAT TOE	PRIMARY					11/16	2	3/8	2	11/16	2
	SECONDARY					3/8	2	3/8	2	3/8	2
FLOAT DROP	PRIMARY	2-1/4	4A	2-1/4	4A	1-1/2	4	1-5/16	4	1-1/2	4
	SECONDARY	2-1/4	4A	2-1/4	4A	1-5/16	4	1-5/16	4	1-5/16	4
FLOAT ALIGNMENT		-	3	-	3	-	3	-	3	-	3
VACUUM ASSIST SPRING						1-1/16	5			NOTE	5
PUMP ROD LOCATION											
PUMP ROD		1-1/16	6	1-1/16	6	15/16	6	29/32	6	1-1/32	6
IDLE VENT				31/32	7	7/8	7	13/16	7	29/32	7
INTERMEDIATE CHOKE ROD						FLUSH	8	FLUSH	8	FLUSH	NOTE 2
VACUUM BREAK											
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD		.045	12			.065	12	.040	12	.050	NOTE 3
UNLOADER		.230	14			.120	14	.130	14	.120	14
SECONDARY LOCKOUT		.015	15			.015	15	.015	15	.015	15
SECONDARY CONTOUR		.015	16			.015	16	.015	16	.030	16
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE		PG-1NL TG- INDEX	10			INDEX	10	1NR	10	INDEX	10
THROTTLE RETURN CHECK										.020	18

TUNE UP SPECIFICATIONS

IDLE R.P.M.	425-D	A/T 450-D M/T 475-N	500-D	450-D	A/T 500-D M/T 525-N
IDLE R.P.M. - AIR COND.			900-N A/C OFF	900-N* A/C ON	
FAST IDLE			1700-N HIGH STEP	1700-N	1600-N HIGH STEP
DWELL	30°	30°	30°	30°	30°
POINT GAP	.016	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.035	.035	.030
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	4° BTDC @ IDLE	4° BTDC @ IDLE	6° BTDC @ IDLE	5° BTDC @ 450 RPM	5° BTDC @ 850 RPM

*See Service Bulletin 9D-1970 for Idle Speed-up Control Adjustment

NOTE 1: 1958 1-5/32
1959-62 1-1/16

NOTE 2: 1958 Use Fig. 8
1959-62 Use Fig. 9

NOTE 3: 1958 Use Fig. 12
1959-62 Use Fig. 13



Delco Carburetor

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ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7012811 7012910	7013004 7013006 7013010 7013012	7013030 7013031 7019030 7019031 7023030 7023031	7013044 with VAC assist float system	7013044 without VAC assist float system

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-7/16	1A	1-5/8	1	1-7/16	1A	1-15/32	1A	1-3/8	1A
	SECONDARY	1-3/8	1A	1-11/16	1	1-3/8	1A	1-3/8	1A	1-3/8	1A
FLOAT TOE	PRIMARY	5/8	2			5/8	2	11/16	2	1/2	2
	SECONDARY	3/8	2			3/8	2	3/8	2	3/8	2
FLOAT DROP	PRIMARY	1-1/2	4	2-1/4	4A	1-1/2	4	1-1/2	4	1-7/16	4
	SECONDARY	1-5/16	4	2-1/4	4A	1-5/16	4	1-5/16	4	1-5/16	4
FLOAT ALIGNMENT		-	3	-	3	-	3	-	3	-	3
VACUUM ASSIST SPRING		1-1/32	5			1-3/32	5**	1-1/16	5		
PUMP ROD LOCATION								CENTER	6	CENTER	6
PUMP ROD		29/32	6	1-1/16	6	27/32	6	1-1/32	6	1-1/32	6
IDLE VENT		13/16	7	31/32	7	3/4	7**				
INTERMEDIATE CHOKE ROD		FLUSH	8	FLUSH	8	FLUSH	8	FLUSH	8	FLUSH	8
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD		.040	12	.045	12	.040	12	.150	12	.150	12
UNLOADER		.130	14	.230	14	.130	14	.130	14	.130	14
SECONDARY LOCKOUT		.015	15	.015	15	.015	15	.015	15	.015	15
SECONDARY CONTOUR		.015	16	.015	16	.015	16	.030	16	.030	16
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE		1NR	10	1NL	10	1NR	10	INDEX	10	INDEX	10
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

	475-D	A/T 450-D	M/T 475N	480-D	450-D	525-N
IDLE R.P.M.						
IDLE R.P.M. - AIR COND.	900-N* A/C ON			900-N* A/C ON	550-D	575-N
FAST IDLE	1700-N			1700-N	650-N Low Step	650-N Low Step
DWELL	30°		30°	30°	30°	30°
POINT GAP	.016		.016	.016	.016	.016
SPARK PLUG GAP	.035		.035	.035	.033	.033
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ IDLE	283 cu. in. 4° BTDC 348 cu. in. 8° BTDC @ IDLE		5° BTDC @ 450 RPM	12° BTDC @ 400 RPM	12° BTDC @ 400 RPM

CO, WD, 131, 132:16, 9X, 9FR, 9FD *See Service Bulletin 9D-1970 for Idle Speed-up Control Adjustment
 **Not Used on 1963 Models

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC	
CARBURETOR NO.	7013071 7015090	7013100	7015004 7015006 7015010 7015012	7019004 7019006 7019010 7019014	7015040 7019040 7020040 7020041	7015091

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-15/32	1A	1-13/32	1A	1-17/32	1	1-11/32	1A	1-15/32	1A
	SECONDARY	1-3/8*	1A	1-3/8	1A	1-19/32	1	1-3/8	1A	1-1/2	1A
FLOAT TOE	PRIMARY	11/16	2	7/16	2			9/16	2	11/16	2
	SECONDARY	3/8*	2	3/8	2			3/8	2	3/8	2
FLOAT DROP	PRIMARY	1-1/2	4	1-11/32	4	2-1/4	4A	1-7/16	4	1-1/2	4
	SECONDARY	1-5/16	4	1-11/32	4	2-1/4	4A	1-5/16	4	1-5/16	4
FLOAT ALIGNMENT		-	3	-	3	-	3	-	3	-	3
VACUUM ASSIST SPRING		1-1/16	5							1-1/16	5
PUMP ROD LOCATION		OUTER	6	CENTER	6			CENTER	6	CENTER	6
PUMP ROD		1-1/32	6	1-1/32	6	1-1/16	6	1-1/32	6	1-1/32	6
IDLE VENT						31/32	7				
INTERMEDIATE CHOKE ROD		FLUSH	8	FLUSH	8	FLUSH	8	FLUSH	8		
VACUUM BREAK											
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD		.050	12	.150	12	.055	12	.060	12		
UNLOADER		.120	14	.130	14	.230	14	.130	14		
SECONDARY LOCKOUT		.015	15	.015	15	.015	15	.015	15		
SECONDARY CONTOUR		.120	16	.030	16	.015	16	.030	16		
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE		3NL	10	INDEX	10	INDEX	10	INDEX	10		
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

	500-N	450-D	A/T 450-D	M/T 475-N	525-N	600-N
IDLE R.P.M.						
IDLE R.P.M. - AIR COND.		550-N			575-N	
FAST IDLE		1500-N			650-N LOW STEP	
DWELL	NOTE 1	30°	30°		30°	27-30°
POINT GAP	.017	.015	.016		.016	.020
SPARK PLUG GAP	.028	.033	.035		.033	.028
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	MARK ON RIM OF FLYWHEEL @ 500 RPM	12° BTDC @ 400 RPM	283 cu. in 4° BTDC 348 cu. in. 8° BTDC @ IDLE		12° BTDC @ 400 RPM	10° BTDC @ 550 RPM

*7015090 Secondary Float level 1-1/2, Float toe 5/8

NOTE 1 - With D-R Dist. 26-30°
With Auto-Lite Dist. 34°-38°



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ADJUSTMENT AND TUNE UP SPECIFICATIONS

MODELS "4G" "4GC"

CARBURETOR MODEL	4GC	4GC	4G	4GC	4GC
CARBURETOR NO.	7019055	7019066	7019084	7020006 7024122	7020023
	7019056	7019079		7020012 7024125	7020024
	7020952	7020066		7020022 7024126	
	7020953	7020079		7023006 7024220	
				7023012 7024225	
				7024120 7024226	
				7024121	

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-13/32	1	1-5/16	1A	1-13/32	1A	1-17/32	1	1-1/2	1A
	SECONDARY	1-3/8	1	1-5/16	1A	1-15/32	1A	1-19/32	1	1-5/16	1A
FLOAT TOE	PRIMARY	5/8	2	9/16	2	5/8	2			13/16	2
	SECONDARY	3/8	2	9/16	2	9/16	2			1/2	2
FLOAT DROP	PRIMARY	1-1/2	4	1-1/4	4	1-1/2	4	2-1/4	4A	1-1/2	4
	SECONDARY	1-3/8	4	1-1/4	4	1-5/16	4	2-1/4	4A	1-1/8	4
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING		29/32	5			29/32	5			1-7/32	5
PUMP ROD LOCATION		OUTER	6	INNER	6	CENTER	6				
PUMP ROD		1-1/32	6	15/16	6	1-1/16	6	1-1/16	6	1	6
IDLE VENT		15/16	7	27/32	7			31/32	7	29/32	7
INTERMEDIATE CHOKE ROD		FLUSH	9	FLUSH	8			FLUSH	8	FLUSH	8
VACUUM BREAK											
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD		.050	13	.030	12			.055	12	.070	12
UNLOADER		.190	14	.150	14			.230	14	.130	14
SECONDARY LOCKOUT		.015	15	.015	15			.015	15	.015	15
SECONDARY CONTOUR		.030	16	.015	16			.015	16	.015	16
THROTTLE VALVE LOCKOUT											
AUTOMATIC CHOKE		INDEX	10	A/T 1NR M/T INDEX	10			INDEX	10	INDEX	10
THROTTLE RETURN CHECK		.050	18								

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 550-D	M/T 575-N	A/T 600-D	M/T 700-N	600-N	A/T 500-D	M/T 500-N	A/T 475-D
IDLE R.P.M. - AIR COND.								
FAST IDLE	1600-N HIGH STEP		A/T 3000-N	M/T 2500-N				
DWELL	30°		1961-75°	1962-33°	27-30°	30°	30°	
POINT GAP	.016		.016		.020	.016	.016	
SPARK PLUG GAP	.040		.035		.028	.035	.035	
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	7 1/2° BTDC @ 850 RPM		6° BTDC @ IDLE		10° BTDC @ 550 RPM	4° BTDC @ IDLE	6° BTDC @ IDLE	

ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7020043 7020045 7020078	7020084 7020085	7020087 7020995 7024086	7020985 7022752	7020991 7024182

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-11/32	1A	Note 1	1A	1-3/8	1A	1-15/32	1A	1-3/8	1A
	SECONDARY	1-3/8	1A	1-3/8	1A	1-11/32	1A	1-3/8	1A	1-11/32	1A
FLOAT TOE	PRIMARY	9/16	2	Note 2	2	11/16	2	11/16	2	11/16	2
	SECONDARY	3/8	2	3/8	2	9/16	2	3/8	2	9/16	2
FLOAT DROP	PRIMARY	1-7/16	4	Note 3	4	1-3/8	4	1-1/2	4	1-3/8	4
	SECONDARY	1-5/16	4	1-1/8	4	1-3/8	4	1-1/8	4	1-3/8	4
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING				1-1/16*	5			1-1/8	5		
PUMP ROD LOCATION		OUTER	6	OUTER	6	OUTER	6	OUTER	6	OUTER	6
PUMP ROD		29/32	6	1-1/32	6	1-1/32	6	1-1/32	6	1-1/32	6
IDLE VENT								15/16	7		
INTERMEDIATE CHOKE ROD		FLUSH	8	FLUSH	8	FLUSH	8	FLUSH	9	FLUSH	8
VACUUM BREAK											
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD		.045	12	.050	12	Note 4	12	.050	13	Note 4	12
UNLOADER		.130	14	.120	14	.120	14	.190	14	.110	14
SECONDARY LOCKOUT		.015	15	.015	15	.015	15	.015	15	.015	15
SECONDARY CONTOUR		.030	16	.120	16	.110	16	.030	16	.110	16
THROTTLE VALVE LOCKOUT											
AUTOMATIC CHOKE		INDEX	10	3NL	10	Gray Index Kiek-3NL	10	INDEX	10	3NL	10
THROTTLE RETURN CHECK								.050	18		

TUNE UP SPECIFICATIONS

IDLE R.P.M.	525-N	550-N	550-N	A/T 550-D	M/T 575-N	650-N
IDLE R.P.M. — AIR COND.	575-N A/C OFF					
FAST IDLE	650-N	800-N		1600-N		
	LOW STEP			HIGH STEP		
DWELL	30°	28-32°		30°		26°
POINT GAP	.016	.016		.016		.016
SPARK PLUG GAP	.035	.032		.030		.030
TIMING — Vacuum advance line MUST be disconnected and fitting plugged.	Buick 5° BTDC @ 400 RPM	Mark on Flywheel	Gray 5° BTDC @ IDLE	7 1/2° BTDC @ 850 RPM		15° BTDC @ 500 RPM
	Pontiac 7 1/2° BTDC @ 1050 RPM	@IDLE	Kiek. 12° BTDC @ IDLE			

*7020085 ONLY

NOTE 1: 327 cu. in. — 1-15/32

409 cu. in. — 1-5/16

NOTE 3: 327 cu. in. — 1-1/2

409 cu. in. — 1-11/32

NOTE 2: 327 cu. in. — 11/16

409 cu. in. — 1/2

NOTE 4: .050 — 7020087, 7020991, 7020995, 7024086 Only



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ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7023040 7023143	7023044 7023045	7023050 7023051	7023054 7023055	7023069 7023070

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A		
	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	
ADJUSTMENT											
FLOAT LEVEL	PRIMARY	1-11/32	1A	1-11/32	1A	1-15/32	1A	1-7/16	1A	1-11/32	1A
	SECONDARY	1-3/8	1A	1-3/8	1A	1-3/8	1A	1-3/8	1A	1-11/32	1A
FLOAT TOE	PRIMARY	9/16	2	9/16	2	11/16	2	17/32	2	9/16	2
	SECONDARY	3/8	2	3/8	2	3/8	2	3/8	2	9/16	2
FLOAT DROP	PRIMARY	1-7/16	4	1-9/16	4	1-1/2	4	1-3/8	4	1-1/4	4
	SECONDARY	1-1/4	4	1-9/32	4	1-3/16	4	1-1/8	4	1-1/4	4
FLOAT ALIGNMENT		3		3		3		3		3	
VACUUM ASSIST SPRING					1-1/16	5					
PUMP ROD LOCATION	CENTER	6	OUTER	6	INNER	6	OUTER	6	INNER	6	
PUMP ROD	1	6	29/32	6	1	6	1	6	15/16	6	
IDLE VENT					29/32	7	29/32	7	27/32	7	
INTERMEDIATE CHOKE ROD	FLUSH	8	FLUSH	8	FLUSH	9	FLUSH	9	FLUSH	8	
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD	.050	12	.045	12	.050	13	.050	13	.030	12	
UNLOADER	.130	14	.130	14	.120	14	.190	14	.150	14	
SECONDARY LOCKOUT	.015	15	.015	15	.015	15	.015	15	.030	15	
SECONDARY CONTOUR	.030	16	.030	16	.030	16	.030	16	.015	16	
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE	INDEX	10	INDEX	10	INDEX	10	2NR	10	INDEX	10	
THROTTLE RETURN CHECK					.020	18					

TUNE UP SPECIFICATIONS

	525-N	525-N	A/T 500-D M/T 525-N	A/T 500-D M/T 525-N	A/T 600-D M/T 700-N
IDLE R.P.M.					
IDLE R.P.M. - AIR COND.	575-N	575-N	550-D	550-D	650-D A/C OFF
FAST IDLE	650-N	650-N	1600-N	1600-N	A/T 3000-N
	LOW STEP	LOW STEP	HIGH STEP	HIGH STEP	M/T 2800-N
DWELL	30°	30°	30°	30°	33°
POINT GAP	.016	.016	.016	.016	.016
SPARK PLUG GAP	.035	.035	.030	.040	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	12° BTDC @ 400 RPM	A/T 12° BTDC M/T 5° BTDC @ 400 RPM	5° BTDC @ 850 RPM 7½° BTDC for Prem. Fuel	7½° BTDC @ 850 RPM	6° BTDC @ IDLE

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

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4G	4GC	4GC	4GC
CARBURETOR NO.	7023084 7023085 7023089	7023088 7023181	7023180	7023183	7023184 7023185

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-3/8	1A	1-3/8	1A	1-1/2	1	1-3/8	1A	1-17/32	1
	SECONDARY	1-11/32	1A	1-11/32	1A	1-9/16	1	1-11/32	1A	1-19/32	1
FLOAT TOE	PRIMARY	11/16	2					11/16	2		
	SECONDARY	9/16	2					9/16	2		
FLOAT DROP	PRIMARY	1-3/8	4	1-3/8	4	2-1/4	4A	1-3/8	4	2	4A
	SECONDARY	1-3/8	4	1-3/8	4	2-1/4	4A	1-3/8	4	2	4A
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING											
PUMP ROD LOCATION		OUTER	6	OUTER	6	OUTER	6	OUTER	6	OUTER	6
PUMP ROD		1-1/32	6	1	6	1-3/32	6	1-1/16	6	1-3/32	6
IDLE VENT											
INTERMEDIATE CHOKE ROD		FLUSH	8			FLUSH	8	FLUSH	8		
VACUUM BREAK										FLUSH	8
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD		.050	12							.055	12
UNLOADER		.120	14			.230	14	.130	14	.230	14
SECONDARY LOCKOUT		.015	15			.020	15	.015	15		
SECONDARY CONTOUR		.120	16			.020	16	.030	16		
THROTTLE VALVE LOCKOUT										.020	15, 16
AUTOMATIC CHOKE		3NL	10			INDEX	10	INDEX	10	INDEX	10
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

IDLE R.P.M.	550-N	600-700-N	550-N	550-N	650-700-N
IDLE R.P.M. - AIR COND.					
FAST IDLE	800-N				1200-N
DWELL	28-32°	28-32°	28-32°	28-32°	31-35°
POINT GAP		.016	.016	.016	
SPARK PLUG GAP	.032	.035	.035	.035	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	Mark on flywheel @ IDLE	6° BTDC @ IDLE	12° BTDC @ IDLE	12° BTDC @ IDLE	Red mark on flywheel TDC @ 600 RPM



Delco Carburetor

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ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4G	4GC	4GC	4GC	4GC
CARBURETOR NO.	7023187	7024030 7025031 7024031 7026030 7025030 7026031	7024040	7024044 7024045	7024050 7024051 7024153 7024154

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-17/32	1	1-7/16	1A	1-11/32	1A	1-11/32	1A	1-15/32	1A
	SECONDARY	1-19/32	1	1-3/8	1A	1-3/8	1A	1-3/8	1A	1-3/8	1A
FLOAT TOE	PRIMARY			5/8	2	17/32	2	19/32	2	11/16	2
	SECONDARY			3/8	2	13/32	2	3/8	2	3/8	2
FLOAT DROP	PRIMARY	2-1/4	4A	1-1/2	4	1-7/16	4	1-19/32	4	1-1/2	4
	SECONDARY	2-1/4	4A	1-1/16	4	1-3/16	4	1-3/16	4	1-3/16	4
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING				1-1/16	5					1-1/32	5
PUMP ROD LOCATION		CENTER	6	OUTER	6	CENTER	6	INNER	6	INNER	6
PUMP ROD		1-1/16	6	13/16	6	1-1/32	6	31/32	6	1	6
IDLE VENT										29/32	7
INTERMEDIATE CHOKE ROD						FLUSH	8	FLUSH	8	FLUSH	9
VACUUM BREAK				FLUSH	8						
FAST IDLE		Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD				.040	12	.030	12	.050	12	.050	13
UNLOADER				.130	14	.120	14	.120	14	.115	14
SECONDARY LOCKOUT						.015	15	.015	15	.015	15
SECONDARY CONTOUR						.030	16	.030	16	.030	16
THROTTLE VALVE L'KOUT				.020	15 16						
AUTOMATIC CHOKE				INDEX	10	INDEX	10	A/T 2NR M/T INDEX	10 & 11	INDEX	10
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

	600-700-N	480-D	500-D	A/T 550-D	M/T 550-N	A/T 500-D	M/T 525-N
IDLE R.P.M.	600-700-N	480-D	500-D	550-D	550-N	500-D	525-N
IDLE R.P.M. - AIR COND.		900-N* A/C ON	550-D	600-D	600-N	550-D	
FAST IDLE		1700-N HIGH STEP	650-N LOW STEP	650-N LOW STEP	650-N LOW STEP	NOTE 1	
DWELL	28-32°	30°	30°	30°		30°	
POINT GAP		.016	.016	.016		.016	
SPARK PLUG GAP	.035	.035	.035	.035		.030	
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	6° BTDC @ IDLE	5° BTDC @ 480 RPM	2-1/2° BTDC @ IDLE	2-1/2° BTDC @ IDLE		5° BTDC @ 850 RPM	

CO, WD, 131, 132:16, 9X, 9FR, 9FD *See Service Bulletin 9D-98 for Idle Speed-up Control Adjustment

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NOTE 1 - 3 Step Cam - 700-N
 4 Step Cam - 1000-N
 On Low Step

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4G	4GC	4GC	4GC
CARBURETOR NO.	7024054 7024055	7024084	7024123 7024124	7024127 7024128 7025123 7025124	7024187 7025085

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.		9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
ADJUSTMENT		Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY	1-15/32	1A	1-3/8	1A	1-1/2	1A	1-1/2	1A	1-3/8	1A
	SECONDARY	1-3/8	1A	1-3/8	1A	1-5/16	1A	1-13/32	1A	1-11/32	1A
FLOAT TOE	PRIMARY	17/32	2	11/16	2	13/16	2	25/32	2	11/16	2
	SECONDARY	3/8	2	11/16	2	1/2	2	21/32	2	9/16	2
FLOAT DROP	PRIMARY	1-3/8	4	1-3/8	4	1-1/2	4	1-1/2	4	1-3/8	4
	SECONDARY	1-1/8	4	1-3/8	4	1-1/8	4	1-7/16	4	1-3/8	4
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING						1-7/32	5	1-5/32	5		
PUMP ROD LOCATION				OUTER	6					INNER	6
PUMP ROD		1	6	1-1/32	6	1-1/32*	6	NOTE 2	6	1-1/32	6
IDLE VENT		29/32	7			15/16*	7	NOTE 3	7		
INTERMEDIATE CHOKE ROD		FLUSH	9			FLUSH	8	FLUSH	8	FLUSH	8
VACUUM BREAK		.060	17								
FAST IDLE				Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.							
CHOKE ROD		.050	13			.055	12	.090	12	.050	12
UNLOADER		.190	14			.130	14	.130	14	.120	14
SECONDARY LOCKOUT		.015	15			.015	15	.015	15	.015	15
SECONDARY CONTOUR		.030	16			.015	16	A/T .030 M/T .015	16	.030	16
THROTTLE VALVE L'KOUT											
AUTOMATIC CHOKE		INDEX	10			INDEX	10	INDEX	10	INDEX	10
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

IDLE R.P.M.	A/T 500-D	M/T 525-N	600-N	A/T 475-D	M/T 500-N	A/T 475-D	M/T 500-N	500-N
IDLE R.P.M. - AIR COND.	550-D							
FAST IDLE	NOTE 1							
DWELL	30°		30°	30°	30°	30°	30°	30°
POINT GAP	.016			.016	.016	.016	.016	.016
SPARK PLUG GAP	.030		.033	.035	.035	.035	.035	.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	7-1/2° BTDC @ 850 RPM		5° BTDC @ IDLE	4-8° BTDC @ IDLE	4-8° BTDC @ IDLE	4-8° BTDC @ IDLE	2-1/2° BTDC @ IDLE	

NOTE 1: 3 Step Cam - 700-N
4 Step Cam - 1000-N
On Low Step

NOTE 2: M/T 1-1/32, A/T 29/32
NOTE 3: M/T 15/16, A/T 13/16

*7024124 Pump Rod 29/32
Idle Vent 13/16



Delco Carburetor

BULLETIN 9D-4S
 DATE: NOVEMBER 1971
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 FILE AFTER BULLETIN 9D-4A

ADJUSTMENT AND TUNE UP SPECIFICATIONS MODELS "4G" "4GC"

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4G - 4GC
CARBURETOR NO.	7025040 7025140	7025050 7025051	7025054 7025055 7025157 7025158	7025083	7025121 7025128 7025122 7026121 7025125 7027125 7025126 7036125 7025127 7037125

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A	
	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.
FLOAT LEVEL	PRIMARY 1-13/32	1B	1-15/32	1A	1-7/16	1B	1-3/8	1A	1-17/32	1
	SECONDARY 1-13/32	1B	1-3/8	1A	1-7/16	1B	1-5/16	1A	1-19/32	1
FLOAT TOE	PRIMARY		NOTE 1	2			11/16	2		
	SECONDARY		3/8	2			9/16	2		
FLOAT DROP	PRIMARY 1-1/16	4B	1-1/2	4	1-1/4	4B	1-7/8	4	2-1/4	4A
	SECONDARY 1-1/4	4B	1-3/16	4	1-1/4	4B	1-7/8	4	2-1/4	4A
FLOAT ALIGNMENT		3		3		3		3		3
VACUUM ASSIST SPRING			1-3/32	5						
PUMP ROD LOCATION	CENTER	6	OUTER	6	OUTER	6	CENTER	6	NOTE 2	6
PUMP ROD	1	6	1	6	1	6	1-1/16	6	1-1/16	6
IDLE VENT			29/32	7	29/32	7			31/32	7
INTERMEDIATE CHOKE ROD	.030-OUT	8	FLUSH	9	FLUSH	9	FLUSH	8	FLUSH*	8
VACUUM BREAK										
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.									
CHOKE ROD	.060	12	.050	13	.050	13	.060	12	.055*	12
UNLOADER	.120	14	.120	14	.120	14	.130	14	NOTE 3*	14
SECONDARY LOCKOUT	.015	15	.015	15	.015	15	.015	15	.015*	15
SECONDARY CONTOUR	.030	16	.030	16	.030	16	.030	16	.015*	16
THROTTLE VALVE L'KOUT										
AUTOMATIC CHOKE	INDEX	10	1 NR	10	1 NR	10	INDEX	10	INDEX	10
THROTTLE RETURN CHECK										

TUNE UP SPECIFICATIONS

IDLE R.P.M.	500-D		500-D		A/T	M/T	450-500-N		A/T	M/T
	550-D A/C OFF	550-D A/C OFF	550-D	600-N	500-D	500-N	450-D	475-N		
FAST IDLE	650-N LOW STEP	1100-N LOW STEP	1100-N LOW STEP							
DWELL	30°	30°		30°			28-32°		30°	
POINT GAP	.016	.016		.016			.019		.016	
SPARK PLUG GAP	.035	.030		.030			.035		.035	
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	2 1/2° BTDC @ Idle	5° BTDC @ 850 RPM		7 1/2° BTDC @ 850 RPM			4° BTDC @ Idle		4G 4° BTDC 4GC 4-8° BTDC @ Idle	

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

NOTE 1: 7025050 - 3/4 7025051 - 5/8

NOTE 2: 7025127 - Inner Hole, Others Outer Hole

NOTE 3: 7025127 - .200; Others .250

*Applies to 4GC Only

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ADJUSTMENT AND TUNE UP SPECIFICATIONS

CARBURETOR MODEL	4GC	4GC	4GC	4GC	4GC
CARBURETOR NO.	7025150	7025180	7025185	7026040	7036118
	7025151		7025186		7036119
	7025255				7036120
					7036121

ADJUSTMENT SPECIFICATIONS

ADJUSTMENT BULLETIN NO.	9D-4A		9D-4A		9D-4A		9D-4A		9D-4A		
ADJUSTMENT	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	Spec.	Fig. No.	
FLOAT LEVEL	PRIMARY	1-15/32	1B	1-11/32	1A	1-17/32	1	1-7/16	1B	1-17/32	1
	SECONDARY	1-3/8	1B	1-3/8	1A	1-19/32	1	1-7/16	1B	1-19/32	1
FLOAT TOE	PRIMARY										
	SECONDARY										
FLOAT DROP	PRIMARY	1-1/16	4B	1-3/8	4	2-1/4	4A	1-1/16	4B	2-1/4	4A
	SECONDARY	1-1/16	4B	1-3/8	4	2-1/4	4A	1-1/16	4B	2-1/4	4A
FLOAT ALIGNMENT			3		3		3		3		3
VACUUM ASSIST SPRING		13/16*	5								
PUMP ROD LOCATION		OUTER	6			OUTER	6	CENTER	6	OUTER	6
PUMP ROD		1	6	1	6	1-1/16	6	1	6	1-1/16	6
IDLE VENT		29/32	7			31/32	7			31/32	7
INTERMEDIATE CHOKE ROD		FLUSH	9	FLUSH	8	FLUSH	8	.030-OUT	8	FLUSH	8
VACUUM BREAK											
FAST IDLE	Turn screw in to contact low step of cam. Check tune-up spec. for proper RPM.										
CHOKE ROD	.050	13	.050	12	.055	12	.060	12	.055	12	
UNLOADER	.120	14	.120	14	.250	14	.120	14	.250	14	
SECONDARY LOCKOUT	.015	15			.015	15	.015	15	.015	15	
SECONDARY CONTOUR	.030	16			.015	16	.030	16	.015	16	
THROTTLE VALVE LOCKOUT			.110	15							
			.015	16							
AUTOMATIC CHOKE	1NR	10	3NL	10	INDEX	10	INDEX	10	1NL	10	
THROTTLE RETURN CHECK											

TUNE UP SPECIFICATIONS

IDLE R.P.M.	500-D	550-N	A/T 450-D	M/T 475-N	500-D	A/T 500-D	M/T 500-N
IDLE R.P.M. - AIR COND.	550-D A/C OFF				550-D A/C OFF	600-D	700-N
FAST IDLE	1100-N LOW STEP				650-N LOW STEP		
DWELL	30°	32°		30°	30°		28-32°
POINT GAP	.016			.016	.016		.018
SPARK PLUG GAP	.030	.035		.035	.035		.035
TIMING - Vacuum advance line MUST be disconnected and fitting plugged.	5° BTDC @ 850 RPM	4° BTDC @ IDLE	4-8° BTDC @ IDLE		2 1/2° BTDC @ IDLE	8° BTDC @ IDLE	A.I.R. A/T 2° BTDC M/T 8° BTDC

*With Air Conditioning 11/16