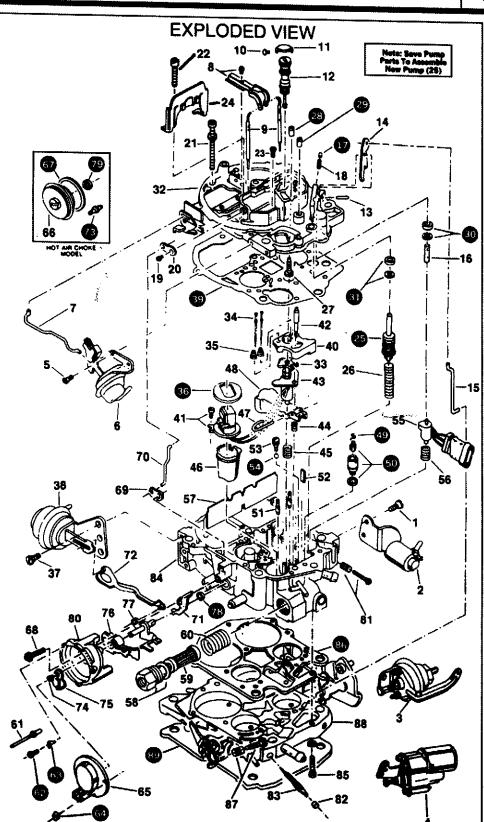
FUEL SYSTEM SERVICE INSTRUCTION WORKSHEET

TO REPAIR

ROCHESTER CARBURETOR

4 BARREL---Model E4ME-E4MC



NOTE: Circled parts are included in most kits. Extra parts are included for other kits.

PARTS LIST SHOWN DOES NOT REFLECT THE CONTENTS OF THE KIT.

- Carefully read the text in the following pages to become familiar with the contents of this worksheet before performing carburetor overhaul.
- 2. The exploded view shown is typical of the model carburetor this kit will service. The view may differ slightly from the actual carburetor being overhauled.

 3. Use the exploded view as a guide. The numerical sequence may generally be followed to disassemble the carburetor far enough to permit cleaning and inspection.

 4. Parts List shown DOES NOT reflect the contents of the kit.

CLEANING & INSPECTION

Place carburetor parts (after disassembly) in cleaning solvent. Soak parts long enough to remove foreign materials. Use a stiff bristle brush. Do not use any abrasives to clean carburetor parts. Do not insert wires to clean out passageways and jets. Wash off in suitable solvent. Clear out all passages and jets with compressed air and check to ensure thorough cleaning of obscure areas. Inspect casting for damages and stripped threads.

CAUTION: Do not soak parts containing rubber, plastic, leather, and electrical parts, in cleaning solvent.

PARTS LIST

- 1. Screw, mounting, idle speed
- solenoid*
 2. Idle speed solenoid assy.
 3. Idle-load compensator assy.

- 3. Idle-load compensator assy (L±.C.)*
 4. Idle speed control assy. (LS.C.)*
 5. Screw; vacuum break, front (2)
 6. Vacuum break assy.. front 7. Rod, connecting, air valve 9. Carrier & screw, sec. metering rod 9. Metering rod
- 9. Metering rod, secondary (2) 10. Rivet, air bleed valve cover (2)
 11. Cover, air bleed valve
 12. Air bleed valve &
- "o" ring assy.

 13. Pin, pump lever, fulcrum

 14. Lever, pump
- 15. Rod, pump 16. Pin, actuator
- 17. Plug, adjusting screw.
 T.P.S. # †
 18. Screw, adjusting T.P.S. # †
 19. Screw, choke lever
 20. Lever, choke shaft

- Screw, air horn long (2) Screw, air horn short (9) Screw, air horn
- countersunk (2) Baffle, air, secondary
- Pump piston assy.
 Spring, pump return
 Screw, stop, rich mixture

- adjusting †

 28. Plug, rich mixture, stop
 screw†

 29. Plug, lean mixture screw

 30. Retainer & seal T.P.S. #

 31. Retainer & seal, pump rod

 24. Air-brea seeal, pump rod
- 32. Air horn assy.
 33. Plunger, mixture control
 solenoid

- solenoid
 34. Rod. metering (2)
 35. Spring, metering rod (2)
 36. Gasket, electrical connector
 37. Screw, vacuum break, rear (2)
- Vacuum break assy., rear Gasket, air horn to main body
- 40. Insert, plastic block, fuel bowl 41. Screw & electrical
- connector
- 42. Screw, adjusting, lean mixture
- 43. Solenoid assy., mixture control

- 44. Spring, screw adjusting, lean mixture
 45. Spring, solenoid assy, tension
 46. Insert, plastic, aneroid cavity
 47. Hinge pn., float
 48. Float
 49. Lift hook, float needle
 50. Needle, sast 8, center access

- 50. Needle, seat & gasket assy. 51. Jet, main, primary (2) 52. Baftle, fuel pump well
- Screw cover, pump discharge ball
- ouscharge ball

 4. Ball. pump discharge

 55. Throttle position sensor
 (T.P.S.)

 56. Spring, tension (T.P.S.)

 57. Baffle, secondary, bore

 58. Fitting & gasket, fuel inlet

 59. Filter, fuel

- 60. Spring, by-pass, fuel filter 61. Rivet, stat cover (3) 62. Screw, stat cover (3)
- 52. Screw, star cover (3)
 63. Retainer (2)
 64. Retainer, locating tab
 65. Stat cover, electric choke
 66. Stat cover, hot air choke
 67. Gasket, star cover

 67. Gasket, star cover
- 68. Screw, choke housing to main body 69. Lever, choke, lower
- 70. Rod, choke 71. Lever, secondary lockout 72. Link, connecting, aux.
- vacuum break
- 73. Seal, choke housing (hot air)
 74. Screw, lever, stat control
 75. Lever, inter, # shaft, stat coil
- 76. Cam, fast idle 77. Choke shaft & lever assy...
- inter # Seal, inter. # choke shaft
- 79. Seal. inter. # choke shaft
- (hot air)
- 80. Housing, choke 81. Screw & spring, idle speed 82. Plug (hardened) idle mixture
- 92. Fring (narcened) idle mit screw (2) 83. Screw & spring, idle mixture (2) 84. Main body 85. Screw, throttle body to
- main body (3) 86. Gasket, throttle to
- main body 87. Screw & spring, fast idle 88. Throttle flange assy. 89. Gasket, throttle flange
- * Some Models. # See List of Abbreviations, Page 7. † Do not remove unless required.

REMOVAL & INSTALLATION NOTES

- Cover opening on intake manifold after carburetor is removed.
- 2. For removal and installation of choke cover, refer to Fig. 3.
- Air horn screws (23) are located inside the air horn. Do not remove brass tubes from air horn assy.
- Air bleed valve cover (11) may be riveted. Drill out rivets and discord cover. (not replaced).
- Before removing air bleed valve (12), turn clockwise until lightly seated counting number of turns. Record for proper installation. (If not known, turn back 4 turns).
- Main jets (51) can be removed with proper tool. See service manual.
- 7. For removal of idle mixture screw plugs (82), refer to Fig. 1.
- Before removing idle mixture screws (83), turn clockwise until lightly seated counting number of turns. Record for proper installation. Also see spec. chart.
- 9. Install parts in reverse order of removal.
- 10. Refer to Fig. 4 for proper float installation.

- Make sure to install seals, (30) & (31), with lip facing upward. Lightly stake retainers in three places.
- 12. For models with electrical choke do not install choke cover gasket.
- 13. Refer to Fig. 2 for proper installation of air horn assy.
- 14. If angle gauge tool is not available, use standard gauge (provided in kit) along with conversion table on last page.
- Before removing T.P.S., (55), mark height location then remove staking around sensor. Lift out sensor but do not disturb the sealed adjusting screw. Refer to Fig. 16.
- Adjustments for idle air bleed valve and mixture control system require precise settings. Refer to service manual for these procedures.

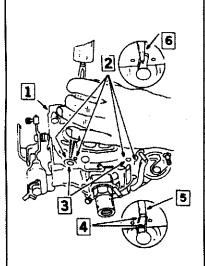
ADJUSTMENT DATA

FIG. 1 REMOVAL OF SEALED MIXTURE SCREWS (IF REQUIRED)

- 1. INVERT THROTTLE BODY AS SHOWN
- 2. PLACE PUNCH BETWEEN 2 LO-CATION MARKS OVER ISLE MIX-TURE NEEDLE PLUG.
- 3. BREAK OUT THROTTLE BODY TO PROVIDE ACCESS TO HARD-ENED STEEL PLUG. NEXT. DRIVE OUT PLUG EXPOSING MIXTURE NEEDLE.

NEEDLE, CAREFULLY MARK POSITION THEN, USING A SOCK-ET WRENCH, TURN NEEDLE IN COUNTING NUMBER OF TURNS TO LIGHTLY SEAT. NEXT, TURN OUT COUNTING NUMBER OF TURNS TO ORIGINAL INDEX MARK, RECORD SETTING & RE-MOVE NEEDLE REPEAT PROCEDURE FOR OTHER MIXTURE NEEDLE.

- 4. LATE MODELS: CUT 2 PARALLEL SLOTS ON EITHER SIDE OF LO-CATION MARKS USING A HACK-SAW. SLOTS SHOULD NOT EXTEND BEYOND 1/8" OF LOCA-TION POINTS.
- 5. POSITION A FLAT PUNCH AT A 45° ANGLE BETWEEN ENDS OF SAW MARKS IN THROTTLE BODY. DRIVE PUNCH BETWEEN SLOTS CAUSING SLUG TO BREAK OFF.



- 8. NEXT, HOLD CENTER PUNCH IN A VERTICAL POSITION & DRIVE IT INTO STEEL PLUG. RE-POSITION PUNCH TO 45° ANGLE & DRIVE PLUG OUT OF CASTING EXPOSING MIXTURE NEEDLE.
- 7. REPEAT NOTE OF STEP 3 TO INDEX MIXTURE NEEDLES.

FIG. 3-A

REMOVAL & INSTALLATION OF CHOKE COVER

- CAREFULLY DRILL AND REMOVE ALL RIVET HEADS, USE #21 DRILL BIT.
- 2. USE A SMALL DRIFT PUNCH AND HAMMER TO DRIVE REMAINDER OF RIVETS OUT.

NOTE: EXERCISE CARE IN DRILL-ING. DO NOT DAMAGE OR-EN-LARGE THE HOLES IN THE CHOKE HOUSING.

HOUSING.

3. WHEN INSTALLING CHOKE COVER, MAKE SURE THAT COIL PICK-UP LEVER IS IN COIL SPRING LOOP END. ALIGN NOTCH IN COVER WITH RETAINER TAB AND TIGHTEN NEW SCREWS (SELF TAPPING SCREWS ARE IN KIT) EVENLY AND SECURELY. NOTE: IN SOME APPLICATIONS, INSTALL COVER WITH NEW POP RIVETS.

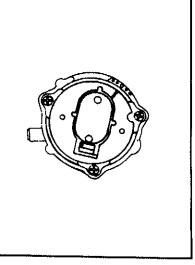


FIG. 3-8

KITS WITH PUMP CUP ONLY

REMOVE OLD CUP (WITH GARTER SPRING IF USED) FROM PUMP HEAD. INSTALL NEW CUP (WITH NEW GAR-TER SPRING, IF USED) IN SAME POSI-TION ON PUMP HEAD.

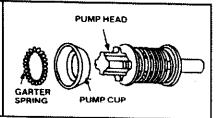


FIG. 2 SCREW TIGHTENING SEQUENCE - AIR HORN COVER

CAUTION: EXERCISE CARE WHEN IN-STALLING AIR HORN ASSY. TO MAIN BODY. CHECK FOR PROPER ALIGN-MENT OF T.P.S. (50) PLUNGER PIN WITH ACTIVATOR ROD (13). INCOR-RECT ALIGNMENT CAN CAUSE BREAKAGE OF PLUNGER PIN.

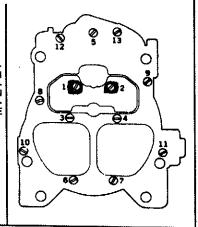


FIG. 4 FLOAT NEEDLE & CLIP LOCATION

NOTE: HOOK CLIP OVER EDGE OF FLAT ON FLOAT ARM IN OPPOSITE DIRECTION OF PONTOON (AS SHOWN).

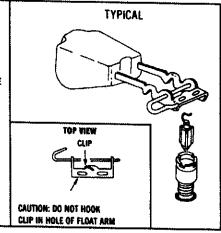
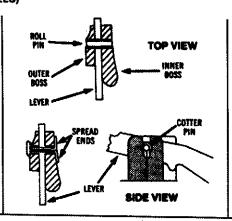


FIG. 5 -- METHOD OF RETAINING PUMP LEVER PIN (SOME MODELS)

INSTALLATION REQUIRES THE USE OF A SPECIAL COTTER PIN BEFORE INSTALLING. CHECK TO SEE THAT THE ROLL PIN, WHEN INSTALLED, IS FLUSH OR SLIGHTLY BELOW SUR-FACE OF OUTSIDE BOSS. HOWEVER, AT THE SAME TIME IT MUST NOT PROJECT OUTSIDE OF INNER BOSS SURFACE.

PROCEED BY INSERTING SPECIAL BENT COTTER PIN WITH LOOPED END FACING UP (AS SHOWN) THROUGH ROLL PIN IN PUMP LEVER. SPREAD ENDS OF COTTER PIN USING A SCREWDRIVER. NEXT, SADDLE PLIER JAWS OVER COTTER PIN ENDS AS SHOWN AND SQUEEZE, FORCING SPREAD ENDS FLUSH AGAINST INNER CASTING BOSS.



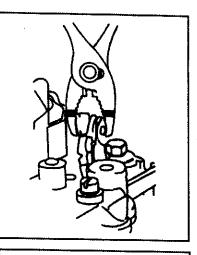
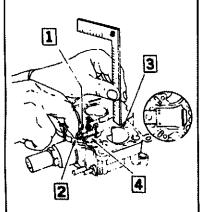


FIG. 6

FLOAT LEVEL ADJUSTMENT

- 1. HOLD FLOAT RETAINER FIRMLY IN PLACE.
- 2. PUSH FLOAT HINGE DOWN LIGHTLY AGAINST NEEDLE
- 3. MEASURE FROM TOP OF FLOAT TO TOP OF CASTING, NOTE: MEASURING POINT IS 3/16" BACK FROM TOE OF FLOAT.
- 4. TO ADJUST, BEND FLOAT ARM.

4. TO ADJUST, BEND FLOAT ARM.
NOTE: ON CCC CARBURETORS, IF
FLOAT LEVEL VARIES ±1/16" FROM
SPECS., CORRECT HIGH LEVEL AS
FOLLOWS: HOLD RETAINER, PUSH
DOWN ON CENTER OF FLOAT
PONTOON TO ADJUST.
CAUTION: DO NOT PRESS FLOAT
NEEDLE INTO SEAT.
TO CORRECT LOW LEVEL, REMOVE
METERING RODS & SOLENOID
CONNECTOR SCREW, INDEX, LEAN
MIXTURE SCREW & TURN IN UNTIL
IT LIGHTLY BOTTOMS. TURN OUT,
COUNTING NUMBER OF TURNS TO
INDEX MARK, RECORD & REMOVE. UNDEX MARK, RECORD & REMOVE.
LIFT CONNECTOR & SOLENOID
FROM MAIN BODY. NEXT, BEND
FLOAT ARM UP TO ADJUST,



CHECK FLOAT ALIGNMENT AFTER ADJUSTMENT. RE-INSTALL PARTS IN REVERSE ORDER.

COMPUTER COMMAND CONTROL

FIG. 8 **FAST IDLE CAM** (CHOKE ROD) ADJUSTMENT

NOTE: PLACE DEGREE SCALE ON CLOSED CHOKE VALVE AND CENTER LEVELING BUBBLE ON GAUGE.

MOVE DEGREE SCALE ONLY TO SPECIFIED ANGLE.

- 2. PLACE CAM FOLLOWER ON SEC-OND STEP OF CAM (NEXT TO HIGH
- 3. CLOSE CHOKE BY PUSHING UP-WARD ON CHOKE COIL LEVER.

NOTE: DO NOT REMOVE CHOKE COVER TO PERFORM THIS ADJUSTMENT. USE RUBBER BAND ON VACUUM BREAK LEVER TANG TO HOLD CHOKE VALVE CLOSED.

TO ADJUST, BEND TANG ON FAST IDLE CAM UNTIL BUBBLE IS CEN-TERED.

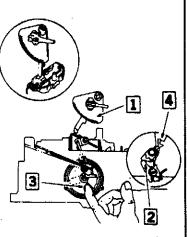


FIG. 9 AIR VALVE ROD ADJUSTMENT -FRONT

- USE OUTSIDE VACUUM SOURCE TO SEAT CHOKE DIA-PHRAGM.
- 2. COMPLETELY CLOSE AIR VALVE.
- INSERT SPECIFIED GAUGE OR DRILL BETWEEN ROD & END OF SLOT IN LEVER.
- 4. TO ADJUST, BEND ROD.

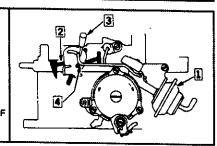


FIG. 7 CHOKE COIL LEVER ADJUSTMENT

NOTE: REMOVE THERMOSTATIC COVER & COIL ASSY, FROM CHOKE HOUSING, IF NECESSARY. CHOKE HOUSING. IF NECESSAN DRILL OUT RIVETS USING #21 DRILL (159") OR EQUIVALENT. AFTER ADJUSTMENT REASSEM-BLE USING SIMILAR RIVETS OR SELF-TAPPING SCREWS.

- 1. PUSH UP ON CHOKE COIL LEVER UNTIL CHOKE VALVE IS CLOSED.
- 2. INSERT SPECIFIED GAUGE.
- 3. LOWER EDGE OF LEVER SHOULD JUST CONTACT SIDE OF GAUGE.
- 4. TO ADJUST, BEND CHOKE

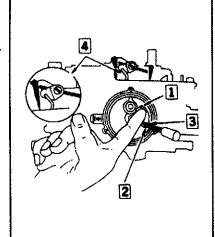


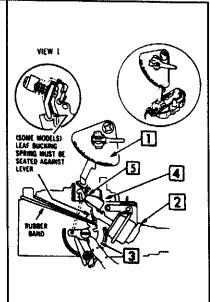
FIG. 10 FRONT VACUUM BREAK ADJUSTMENT

NOTE: PLACE DEGREE SCALE ON CLOSED CHOKE VALVE AND CENTER LEVELING BUB-BLE ON GAUGE.

- MOVE DEGREE SCALE ONLY
 TO SPECIFIED ANGLE.
 SEAT DIAPHRAGM BY AP-
- PLYING AN OUTSIDE VACUUM SOURCE. SOME MODELS (VIEW 1) LEAF BUCKING SPRING MUST BE SEATED AGAINST LEVER

- MOST BE SEATED AGAINST
 LEVER.
 NOTE: ON DELAY MODELS,
 COVER AIR BLEED HOLE WITH
 A PIECE OF TAPE. REMOVE
 TAPE AFTER ADJUSTMENT.
 TURN CHOKE VALVE TOWARD
 CLOSED POSITION BY
 ROTATING CHOKE COIL LEVER
 COUNTER-CLOCKWISE (HOLD
 WITH RUBBER BAND).
 TO ADJUST, REMOVE VACUUM
 BREAK, THEN GRIND OFF
 WELD THAT HOLDS ADJUSTING SCREW COVER. REMOVE COVER & REPLACE
 VACUUM BREAK.
 NEXT, TURN ADJUSTING
 SCREW UNTIL BUBBLE IS

SCREW UNTIL BUBBLE IS CENTERED



AUJUS I MENT DATA (Cont'd)

FIG. 11 REAR VACUUM BREAK ADJUSTMENT (SCREW ADJ. TYPE)

(SCREW ADJ. TYPE)
NOTE: PLACE DEGREE SCALE
ON CLOSED CHOKE VALVE AND
CENTER BUBBLE ON GAUGE.

1. MOVE DEGREE SCALE ONLY TO
SPECIFIED ANGLE.
2. SEAT DIAPHRAGM BY APPLYING AN OUTSIDE VACUUM
SOURCE. SOME MODELS:
PLUNGER BUCKING SPRING
MUST BE COMPRESSED &
SEATED.

NOTE: ON DELAY MODELS, PLUG END COVER THEN SEAT VACUUM DIAPHRAGM. UNPLUG END COVER AFTER ADJUST-

MENT.
3. TURN CHOKE VALVE TOWARD CLOSED POSITION BY ROTATING CHOKE COIL LEVER COUNTER-CLOCKWISE. (HOLD WITH RUBBER BAND).
4. TO ADJUST, REMOVE VACUUM BREAK, THEN GRIND OFF ADJUSTING SCREW CAP, REPLACE VACUUM BREAK.

VACUUM BREAK.

5. NEXT, TURN SCREW AT REAR
COVER UNTIL BUBBLE IS CENTERED. APPLY SEALER TO SEAL SETTING.

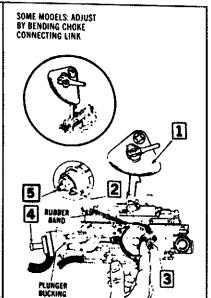


FIG. 13 AIR VALVE SPRING ADJUSTMENT

- LOOSEN LOCK SCREW USING AN ALLEN WRENCH.
- TURN TENSION ADJUSTING SCREW OUT UNTIL AIR VALVE OPENS PART WAY. THEN TURN SCREW IN UNTIL AIR VALVE JUST CLOSES. THEN CONTINUE TURNING SCREW IN (CLOCKWISE) TO NUMBER OF TURNS AS SPECIFIED.
- RE-TIGHTEN LOCK SCREW.
- NOTE: BE SURE TO APPLY A LIBERAL COATING OF LITHIUM BASE GREASE TO SHAFT PIN TO PREVENT SPRING HANG-UP ON

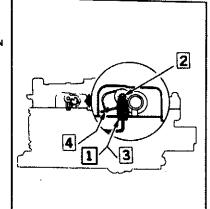


FIG. 12 UNLOADER ADJUSTMENT

NOTE: PLACE DEGREE SCALE ON CLOSED VALVE AND CEN-TER LEVELING BUBBLE ON GAUGE.

1. MOVE DEGREE SCALE ONLY TO SPECIFIED ANGLE.

NOTE: INSTALL CHOKE COVER ASSY, IF REMOVED.

- 2. CLOSE CHOKE VALVE BY PUSHING UP ON TANG OF VAC-UUM BREAK LEVER. (HOLD WITH RUBBER BAND). NEXT, MAINTAIN THROTTLE VALVES IN WIDE OPEN POSITION.
- 3. IF ADJUSTMENT IS REQUIRED. BEND TANG UNTIL BUBBLE IS CENTERED.

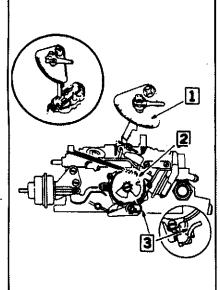


FIG. 14 RICH MIXTURE STOP SCREW ADJUSTMENT

NOTE: THIS IS A BENCH ADJUST-MENT WITH LEAN MIXTURE SCREW SET PROPERLY AND AIR HORN REINSTALLED. 1. INSERT GAUGE INTO "D" SHAPED VENT HOLE TO CON-TACT MIXTURE CONTROL SOLENOID PLUNGER.

- MEASURE THE SOLENOID PLUNGER TRAVEL BY PRESS-ING DOWN ON GAUGE AND RELEASING, IT SHOULD BE AS SPECIFIED.
- 3. TO ADJUST, INSERT TOOL (#CT11 or PART # BT-7928) TO HOLE "A" AS SHOWN AND TURN IN OR OUT TO OBTAIN DIMENSION.
- 4. INSTALL NEW PLUGS TO HOLE
 "A" (RICH MIXTURE STOP
 SCREW) AND HOLE "B" (LEAN
 MIXTURE SCREW) TO RETAIN
 SETTINGS AND PREVENT FUEL
 VAPOR LOSS.

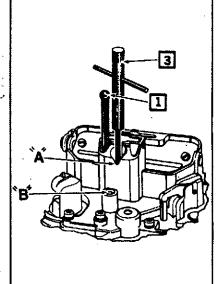
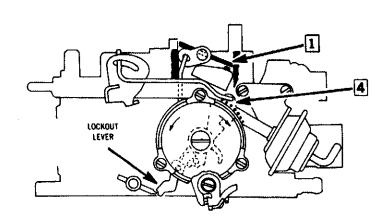
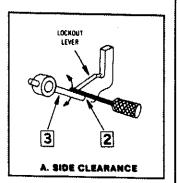
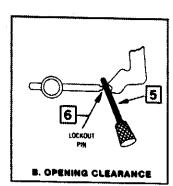


FIG. 15 SECONDARY LOCKOUT ADJUSTMENT





- MOVE BOTH CHOKE VAALVE & THROTTLE VALVES (THROTTLE VALVES NOT SHOWN) TO CLOSED POSITION.
- INSERT GAUGE OR DRILL & MEAS URE SPECIFIED CLEARANCE (.015") BETWEEN LOCKOUT LEVER & PIN.
- 3. TO ADJUST, BEND PIN.



- HOLD CHOKE VALVE WIDE OPEN BY PUSHING DOWN ON FAST IDLE CAM.
- INSERT GAUGE OR DRILL & CHECK LOCK OUT PIN FOR CLEARANCE.
- TO ADJUST, FILE END OF PIN FOR CLEARANCE.

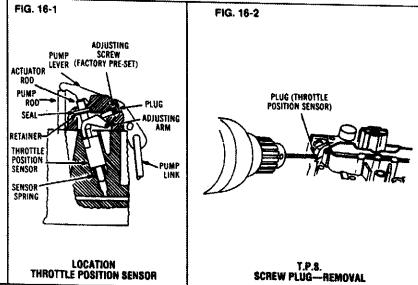
ADJUSTMENT DATA (Cont'd)

FIG. 16 THROTTLE POSITION SENSOR ADJUSTMENT (ON CAR)

NOTE: DO NOT REMOVE SEAL PLUG UNLESS IN DIAGNOSIS, T.P.S. SENSOR IS ADJUSTED CORRECTLY. SINCE THIS IS A CRITICAL ADJUSTMENT, IT MUST BE PERFORMED VERY CAREFULLY & ACCURATELY TO ENSURE PROPER PERFORMANCE & COMPLIANCE WITH EXHAUST EMISSIONS.

- IF ADJUSTMENT IS REQUIRED (SEE FIGS. 16-1, 16-2), REMOVE PLUG COVERING T.P.S. ADJUSTING SCREW BY DRILLING A 5/64" HOLE IN PLUG TO DEPTH OF 1/16" TO 1/8".
- TURN IN NO. 8 x 1/2" SELF TAPPING SCREW, DEEP ENOUGH TO GET A GOOD THREAD BITE IN HOLE.
- 3. USING A SCREWDRIVER, PRY SCREW HEAD AGAINST CASTING TO REMOVE PLUG.
- 4. REMOVE ADJUSTING SCREW & CONNECT A 10 MEG OHM DIGITAL VOLTMETER WITH A 0-2 VOLT RANGE (3 DIGIT READ-OUT) ACROSS (USING JUMPER WIRES WITH TERMINALS ACESS) CENTER & BOTTOM TERMINALS OF T.P.S. CONNECTOR.
- 5. WITH ENGINE STOPPED & IGNITION ON, REINSTALL T.P.S. AD-JUSTING SCREW. TURN SCREW TO OBTAIN SPECIFIED VOLTAGE AT SPECIFIED THROTTLE POSITION WITH A/C OFF. REFER TO MANU-FACTURER'S SERVICE MANUAL FOR VOLTAGE SPECIFICATION.

NOTE: NEW PLUG MUST BE INSTALLED TO MAINTAIN T.P.S. ADJUSTMENT SCREW SETTING.



SPECIFICATIONS BY APPLICATION

		Float	Choke Coil	Choke Rod	Air	Vecuum Break			Air ¹	Rich	idie¹
Year	MODEL	Fig. 6	Lever Fig. 7	Cam Fig. 8	Valve Rod Fig. 9	Front Fig. 10	Rear Fig. 11	Unionder Fig. 12	Valve Spring Fig. 13	Mixture Screw Fig. 14	Mixture Screw
CADIL	LAC - SPECIFICATIO	NID.A			<u> </u>	1		,	119.10	rig. 14	
1983; 80	Carb. No. 17080530	17/32	120	16°	.025	25°	47°	40°	1 4/0		
PONTI	AC - SPECIFICATION			10	.020	1 23	1 4/	1 40-	1/2	1/8	5
1981	301 EngCarb. No. 17081270	7/16	.120	14.5°	.025	24°	36°	1 250			
	-Carb. No. 17081272	7/16	120	14.5°	.025	240	40°	35° 35°	5/8 5/8	1/8 1/8	3
	IAC — SPECIFICATION	1 i.DÇ			A was the					<u> </u>	· · · · · · · · · · · · · · · · · · ·
1981	301 EngCarb. No. 17081273	7/16	.120	.16°	.025	24°	34°	35°	5/8	1/8	3%
BUICK	K, CADILLAC, CHEVRO	LET, OL	DSMO	BILE.	PONTI	AC —	SPECI	FICATI	ONID	D.	<u> </u>
1984	14.11 Eng.	5/16	.120	24.5°	.025	24°			OIT I.D		
1983	-Carb. No. 17084246 231 EngCarb. No. 17083242	5/16 9/32	.120 .120	24.5° 24.5°	.025	220	24°	32° 32°	i	1/8 1/8	3 ²
	l -Carb. No. 17083244	1/4	.120	24.5°	.025 .025	25° 21°	16°	38°	9/16	1/8	32
1983-82	4.1L Eng.	3/8	120	24.5°3	.025	26°	26°	32° 32°	9/16 5/8	1/8 1/8	32 32
1981	4.1L Eng.	3/8	.120	24.5°	.025	28°	24°	38∘	5/8	1/8	5¼4
1980	-Carb. No. 17081289 231 EngCal.	13/32 3/8	.120 .120	24.5° 14.5°	.025	28°	24°	1 38°	5/8	1/8	41/2
BUICK	& CHEVROLET - SP				.025	19°	23°5	38°	9/16	1/8	5¾•
1982	231 Eng.	9/32	.120	24.5°	No.	1 040					
	-Carb. No. 17082249	9/32	.120	24.5°	.025 .025	21° 20°	16°	32° 38°	9/16	1/8	35
1981	231 EngCarb. No. 17081242	5/16	.120	24.5°	.025	17°	15°	380	9/16 9/16	1/8 1/8	32 3½
	-Carb. No. 17081243	1/4	.120	24.5°	.025	19°	17°	38° 38°	9/16	1/8	41/2
01100	AL ## AAA										
CHRY	SLER CORP. — SPECI										
1987-85	318 Eng.	FICATIO	N I.D(G 20°	.025	25°		30°	7/8	1/8	
1987-85 GM TR	318 Eng. RUCKS				.025	25°	_	30°	7/8	1/8	_
1987-85 GM TR	318 Eng. RUCKS [4.3], EngCal.	7/16 9/16 ¹⁵	.120	20°		26°	36°	1.,		1/8	- 32
1987-85 GM TR	318 Eng. RUCKS 4.3L EngCal. 305 Eng.	9/16 ¹⁵ 7/16	.120 .120 .120	20° 20° 20°	.025 .025	26° 25°	36°	39° 36°	7/8 7/8	1/8	32
1987-85 GM TR 1986-85	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng.	9/16 ¹⁵ 7/16 7/16	.120 .120 .120 .120	20° 20° 20° 20°	.025 .025 .025	26° 25° 27°	36° 36°	39° 36° 36°	7/8 1	=	32
1987-85 GM TR 1986-85 BUICK	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. K, CADILLAC, CHEVRO	9/16 ¹⁵ 7/16 7/16 7/16 DLET, OL	.120 .120 .120 .120 .120	20° 20° 20° 20°	.025 .025 .025	26° 25° 27°	36° 36° - SPEC	39° 36° 36°	7/8 1	=	32 —
1987-85 GM TR 1986-85 BUICK 1988-86	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. K, CADILLAC, CHEVRO 1307 EngCarb. No. 17086008	9/16 ¹⁵ 7/16 7/16 7/16 7/16 DLET, OL	.120 .120 .120 .120 .120 DSMO	20° 20° 20° 20° 20°	.025 .025 .025 PON	26° 25° 27° FIAC —	36° 36° - SPEC	39° 36° 36°	7/8 1 1	=	32
1987-85 GM TR 1986-85 BUICK 1988-86	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. K, CADILLAC, CHEVRO	9/16 ¹⁵ 7/16 7/16 7/16 DLET, OL	.120 .120 .120 .120 .120	20° 20° 20° 20°	.025 .025 .025	26° 25° 27°	36° 36° - SPEC	39° 36° 36°	7/8 1 1 1/2 1/2 1/2	=	
1987-85 GM TR 1986-85 BUICK 1988-86 1987-86 1985	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. C, CADILLAC, CHEVRO 307 EngCarb. No. 17086008 5.0L EngCarb. No. 17085282	9/16 ¹⁵ 7/16 7/16 DLET, OL 11/32 7/16 11/32	.120 .120 .120 .120 .120 .120 .120 .120	20° 20° 20° 20° 20° PBILE 8 14° 14°	.025 .025 .025 .025 PON	26° 25° 27° FIAC —	36° 36° - SPEC 43° 43°	39° 36° 36° 2IFICA1	7/8 1 1		32
1987-85 GM TR 1986-85 BUICK 1988-86 1987-86 1985 BUICK 1987-86	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. (, CADILLAC, CHEVRO 307 EngCarb. No. 17086008 5.0L EngCarb. No. 17086282 (, CHEVROLET, OLDSI 305, 350 EngU.S.	9/16 ¹⁵ 7/16 7/16 7/16 DLET, OL 11/32 11/32 MOBILE 11/32	.120 .120 .120 .120 .120 DSMO .120 .120 .120	20° 20° 20° 20° 20° PBILE 8 14° 14° 14° 14°	.025 .025 .025 k PON .025 .025 .025	26° 25° 27° FIAC — 25° 25° 25° 25°	36° 36° - SPEC 43° 43°	39° 36° 36° 2 35° 35° 35° 35°	7/8 1 1 1 1/0 1.1 1/2 1/2 1/2	DI	32 32
1987-85 GM TR 1986-85 BUICK 1988-86 1987-86 1985-81 1987-86 1985-83	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. (, CADILLAC, CHEVRO 307 EngCarb. No. 17086008 5.0L EngCarb. No. 17085282 (, CHEVROLET, OLDSI 305, 350 EngU.S. 305, 305H, 350	9/16 ¹⁵ 7/16 7/16 7/16 DLET, OL 11/32 7/16 11/32 MOBILE 11/32 11/32	.120 .120 .120 .120 .120 .120 .120 .120	20° 20° 20° 20° 20° BILE 8 14° 14° 14° 14°	.025 .025 .025 .025 PON .025 .025	26° 25° 27° FIAC — 25° 25° 25° 25°	36° 36° - SPEC 43° 43°	39° 36° 36° 35° 35° 35° 35°	7/8 1 1 1/2 1/2 1/2 1/2	DI	32 32
1987-85 GM TR 1986-85 BUICK 1988-86 1987-86 1985 BUICK 1987-86	318 Eng. RUCKS 4.3L EngCal. 305 Eng. 350 Eng. (, CADILLAC, CHEVRO 307 EngCarb. No. 17086008 5.0L EngCarb. No. 17086282 (, CHEVROLET, OLDSI 305, 350 EngU.S.	9/16 ¹⁵ 7/16 7/16 7/16 DLET, OL 11/32 11/32 MOBILE 11/32	.120 .120 .120 .120 .120 DSMO .120 .120 .120	20° 20° 20° 20° 20° PBILE 8 14° 14° 14° 14°	.025 .025 .025 .025 PON	26° 25° 27° FIAC — 25° 25° 25°	36° 36° - SPEC 43° 43°	39° 36° 36° 2 35° 35° 35° 35°	7/8 1 1 1 1/0 1.1 1/2 1/2 1/2		32 32

SPECIFICATIONS BY APPLICATION (Cont'd)

		Ficat	Choke Coit	Choke Rod	Air Valve	Vacuum Break			Alt1	Rich	Idle1
Year	MODEL	Fig. 6	Lover Fig. 7	Cam Fig. 8	Rod Fig. 9	Front Fig. 10	Rear Fig. 11	Unloader Fig. 12	Valve Spring Fig. 13	Mixture Screw Fig. 14	Mixture Screw
SPECI BUICK	IFICATION I.D I (Cor C, OLDSMOBILE & PO	nt'd) NTIAC									
1985-82 1981 ²⁴ 1980	307 Eng. -Carb. No. 17084256, 258 - 350 Eng.	7/16 11/32 15/32 15/32	.120 .120 .120 .120	14° 14° 14° 17°	.025 .025 .025 .025	27° 25° 25° 25°	41°20 41° 36° 35°22	35° 35° 35° 35°	1/2 1/2 1/2 1/2	1/8 1/8 1/8 1/8	32 32 421 434
GM TF	RUCKS		·				· · · · · · · · · · · · · · · · · · ·	L		1/0	474
1986-85 1984-83 1982-81 1980	-Carb. No. 17084201; 83204 350 Eng.	9/16 ¹⁵ 7/16 11/32 7/16 11/32 1/2	.120 .120 .120 .120 .120 .120	20° 20° 20° 20° 20°	.025 .025 .025 .025 .025 .025	26° 25° 27° 27° 26°18 24°	36° 36° 36°	36° 36° 36° 36° 38°	7/8 116 7/8 116 7/8 7/8	1/8 1/8 1/8 1/8 1/8	32 32 33/32 ²⁷ 32 318

FOOTNOTES:

1 Number of turns.

² Final adjustment on vehicle.

³ Carb. No. 17082247, 248, 267, 268, 298, 299 set 18°.

4 Carb. No. 17081248 set 41/2 turns.

5 Carb. No. 17080542 set 13°.

6 Carb.(No. 17080540 set 51/4 turns.

⁷ Carb. No. 17087131, 86005, 040 set 38°.

* Carb. No. 17087129, 130, 131 set 32°.

9 Carb. No. 17085203 (with AD stamped on fast idle cam), 17085207; 84205, 209; 83205, 207 set 38°.

16 Carb. No. 17084201 set 33/32 turns.

13 Carb. No. 17082203, 207 set 38°.

12 Carb. No. 17081219, 222, 224, 228 set 28°.

13 Carb. No. 17081204, 222 set 3¼ turns; 81216, 224, 228 set 3½ turns; 81217, 218 set 3¼ turns.

14 Carb. No. 17080516 set 2¼ turns; 1708517 set 1¼ turns.

15 Carb. No. 17085502, 503 set 7/16.

16 Carb, No. 17083506, 508, 524, 526 set % turns.

17 Carb. No. 17083204 set 3¾ turns; 18 Carb. No. 17082202, 204 set 27 19 Carb. No. 17082202, 204 set 2½ turns; 17081204 set 3¼ turns.

20 Carb. No. 17083250 set 42°.

21 Carb. No. 17081254 set 3% turns."

²² Carb. No. 17080554 set 34°.

²² Carb. no. 17059320; 17067294, 296, 298, 300, 302, 304, 444; 17068823, 828, 829, 830; 17081202, 203, 204, 207, 216, 217, 218, 219, 222, 224, 228, 17110638

24 Carb. no. 17059321; 17067318; 17068013, 17081253, 254; 17110639

ABBREVIATIONS:

Cal. California Exc. Except Inter. Intermediate

T.P.\$. **Throttle Position Sensor**

ANGLE DEGREE TO DECIMAL CONVERSION

THE RELATION BETWEEN DECIMAL CONVERSION

THE RELATION BETWEEN DECIMAL AND ANGLE RADINGS IS NOT DUE

TO MANUFACTURING TOLERANCES THIS CHART IS SUPPLED FOR

THOSE WHO HAVE ACCESS TO DRILL BITS OR PLUG GAUGES ONLY

NOTE: BE SURE TO MEASURE SETWEEN UPPER EDGE OF CHOKE

VALVE & WALL OF AIR HORN. GENERAL MOTORS RECOMMENDS

USING AN ANGLE GAUGE FOR BEST OVERALL PERFORMANCE AND

ACCURACY

ANGLE DEGREES	DECIMAL EQUIV. TOP OF VALVE	ANGLE DEGREES	DECIMAL EQUIV. TOP OF VALVE
5	023	33	.203
5 6 7 8 9	028 033 .038 .043	33 34 35 36 37	.211
7	.033	35	.220 .227 .234 .243 .251 .260 .269 .277 .287 .295 .304 .314 .312
8	.038	36	.227
9_	.043	37	.234
10	.049 .054 .060	38	.243
11 12	.054	39	.251
12	.060	40	.260
13	.066	41	.269
14	.071	42	.277
15 16 17	.066 .071 .077 .083 .090	43	.287
16	083	44	.295
17	.090	45	.304
18 19 20	096 103 110	46	.314
19	.103	47	.322
20	.110	48	.332
21	.117	49	.341 .350 .360 .370
22	.123	50	.350
23	129	51	.360
24	.136	52 53 54	.370
2	142	53	.379
49	149	54	.388 .400
41	15/	55 56	.400
28	.117 .123 .129 .136 .142 .149 .157 .164	96	.408
21 22 23 24 25 26 27 28 29 30	.17.1	57	.418
30	179	58 59	.428
31 32	187	59	.439
32	.195	60	.449