# INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE **ROCHESTER MODELS M4MED - M4MEF**

#### GENERAL EXPLODED VIEW THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET



#### DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPEC-TION, NOTE: TO REMOVE PUMP LEVER (5) JUST DRIVE PIN IN FAR ENOUGH TO TION, NOTE: TO REMOVE PUMP LEVER (5) JUST DRIVE PIN IN FAR ENOUGH TO RELEASE LEVER BOWL COVER SCREWS (17) ARE INSDE AIR HORN. DO NOT REMOVE BRASS TUBES FROM BOWL COVER. CAREFULLY PRY UP OR BOUNCE POWER PISTON ASSY. (30) TO RELEASE PLASTIC LOCK RING HOLDING IT IN PLACE CAUTION: NO AT-TEMPT SHOULD BE MADE TO READJUST OR REMOVE ADJUSTING SCREW LOCAT-ED DIRECTLY IN FRONT OF POWER PISTON OR RICH STOP BUSHING LOCATED IN THE BOWL COVER ABOVE THE POWER PISTON ASSY. (WHERE USED), FACTORY ADJUSTED TO MEET EMISSION REQUIREMENTS. SOME UNITS MAY HAVE FRONT AND/OR REAR VACUUM BREAK UNITS AND/OR REAR VACUUM BREAK UNITS

TO REMOVE CHOKE COVER CAREFULLY ALIGN A #21 DRILL (1597) ON POP RIVET HEAD AND DRILL ENOUGH TO REMOVE RIVET HEAD. DRILL ALL 3 RIVET HEADS USE A DRIFT PUNCH AND HAMMER. DRIVE THE REMAINDER OF RIVETS OUT OF THE CHOKE HOUSING REMOVE CHOKE COMPONENTS

TO REMOVE IDLE MIXTURE NEEDLE PLUGS SEE FIG. (1)

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REF. NO	REF. NO.
1. SCREW (2) - REAR VAC	30. POWER PISTON ASSY
BREAK	31. SPRING - METERING ROD
2. REAR VAC. BREAK ASSY.	32. METERING ROD (2) - PRIMARY
3. LINK - REAR VAC. BREAK	33. SPRING - POWER PISTON
TO AIR VALVE LEVER	34. INSERT - FLOAT BOWL
4 LINK - REAR VAC BREAK	35. FLOAT & LEVER ASSY
TO CHOKE	38. HINGE PIN + FLOAT
5. LEVER + PUMP	37. NEEDLE & SEAT ASSY.
6. ROD - PUMP	38. PLUG • PUMP DISC BALL
7. SCREW - CHOKE LEVER	39. BALL - PUMP DISC
8. LEVER - CHOKE SHAFT	40. JET (2) - PRIMARY MAIN
9 ROD - CHOKE	41. RIVET (3) - CHOKE RETAINER
10 SCREW - SEC METERING	42. RETAINER (3) - CHOKE COVER
ROD HOLDER	43. CHOKE COVER ASSY - ELECTRIC
11. HOLDER - SEC. METERING RODS	44. SCREW - CHOKE HOUSING
12 METERING ROD (2) - SECONDARY	45. CHOKE HOUSING ASSY.
13. SCREW & LOCKWASHER (2) -	48. SCREW - STAT COIL LEVER
BAFFLE	47. LEVER - STAT COIL
14 BAFFLE - BOWL COVER	48. BUSHING (PLASTIC) - STAT LEVER
15 SCREW & LOCKWASHER (7) -	49. SHAFT ASSY INTERMEDIATE CHOKE
BOWL COVER	50. CAM - FAST IDLE
16 SCREW & LOCKWASHER (2) -	51. LEVER - INTERMEDIATE CHOKE
BOWL COVER	52 CAM - SECONDARY LOCKOUT
17. SCREW (2) - BOWL COVER	53. SEAL - INTERMEDIATE CHOKE SHAFT
(TAPERED HEAD)	54. SCREW & LOCKWASHER (3) -
18. BOWL COVER ASSY	THROTTLE BODY
19 GASKET - SOLENOID CONNECTOR	55. FLOAT BOWL ASSY
20 RETAINER - PUMP STEM SEAL	56 FILTER NUT - FUEL INLET
21 SEAL - PUMP STEM	57. GASKET - FILTER NUT
22 GASKET - BOWL COVER	58. FILTER + FUEL
23. PUMP PLUNGER ASSY	59. SPRING - FILTER
24 SPRING - PUMP RETURN	60. GASKET - THROTTLE BODY
25 BAFFLE - PUMP WELL	61. PLUG (2) - IDLE NEEDI.E
26 SCREW - PUMP SOLENOID	(NOT REPLACED)
27 SOLENOID ASSY - PUMP	62 NEEDLE (2) - IDLE ADJ
(DUAL CAPACITY)	63 SPRING (2) - IDLE ADJ NEEDLE
28 VALVEASSY + PUMP	64 THROTTLE BODY ASSY

## VALVE ASSY. - PUMP GASKET - PUMP VALVE ASSY.

### CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR CLEANING SOLVENT, MAKE CERTAIN THE THROTTLE BORES ARE FREE OF ALL CARBON DEPOSITS. RINSE OFF IN SUITABLE SOLVENT BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTIION: DO NOT SOAK DIAPHRAGM UNITS, SOLENOIDS, FLOAT, ELECTRIC CHOKE OR PARTS CONTAINING RUBBER OR PLASTIC IN CLEAN-ING SOLVENTS.

### REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY, NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS.

### SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLES (62) + TURN EACH NEEDLE IN UNTIL LIGHTLY SEATED. THEN BACK OUT 3-4 TURNS. (FOLLOW VEHICLE MANUFACTURERS' PROCEDURES TO COM-PLETE IDLE ADJUSTMENT ON CAR.)

FUEL FILTER (58) - BE SURE TO USE FILTER WITH BUILT IN ROLL OVER CHECK VALVE AND WITH CHECK VALVE FACING OUT, TIGHTEN FILTER NUT TO 18 FT, LBS

### INTERMEDIATE CHOKE SEAL (53) LIP OF SEAL IS FACING OUT.

POWER PISTON AND METERING ROD INSTALLATION, BE CAREFUL TO PROPERLY POSI-TION METERING RODS IN METERING JETS AND THE PLASTIC RETAINER FOR PISTON IS PROPERLY LOCKED IN PLACE



BOWL COVER INSTALLATION TIGHTEN BOWL COVER SCREWS IN SEQUENCE AS SHOWN.

# ADJUSTMENTS







ADJUSTMENT DATA TAI	BLE
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YEAR	MAKE	FLOAT	PUMP ROD LOCATION	PUMP SETTING	CHOKE ROD	AIR VALVE ROD	VACUUM BREAK (FRONT)	VACUUM BREAK (REAR)	AIR VALVE BPRING (TURNB)	UNLOADER ADJ.
1985	CHEVROLET & GMC TRUCK									
	281" ENG. (4.3L)		1							1
	CARB. NOS. 17085208, 210	13/32"	INNER	9/32"	20°	.025	28°	38*	7/8	39*
	CAHB. NOS. 17085222, 224	13/32"	INNER	9/32"	20*	.025"	28*	38*	1/2	39*
1985-87	CHEVROLET & GMC TRUCK					1				
	305" ENG. (5.0L)									
	CARB. NOS. 17085215,									
	228, 227, 230, 231	13/32"	INNER	9/32''	20*	.025"		25*	7/8	32*
	350" ENG. (5.7L)									
	CARB. NOS. 17085206.									
	228, 229, 235, 290,									
	292, 294, 298	13/32"	INNER	9/32"	46*	025"	– – ľ	25*	7/8	20*
	CARB. NOS. 17085003, 213	13/32"	INNER	9/32"	46*	.025"	27•		7/8	35*
	GM Carb. Nos. 17085000	12/32"	INNER	9/32~	46°	025	24•	30°	7/8**	400
1 1	GM Carb. Nos. 17085001	12/32"	INNER	9/32~	46°	.025	23*	30°	1	40*
1 - N	454" ENG (741)	1							·	10
	CABR NOS 17085004 212	13/32"	INNER	0/22"	400	0.25"	220		7/0	
	CAND. NOS. 17005004, 212		INNER	5/32	40	.025	23.		//8	35*
1988	CHEVROLET & GMC TRUCK									
	281" ENG. (4.3L)	1 1						1		
	CARB. NOS. 17086045, 047	17/32"	OUTER	3/8"	20*	.025"	26*	36•	7/8	39*
	CARB. NOS. 17088053, 055	17/32"	OUTER	3/8"	20°	.025"	26*	38°	1/2	39*
	CARB. NOS. 17088044, 046	17/32"	INNER	9/32"	20*	.025"	26*	38*	7/8	39*
	CARB. NOS. 17088048, 054	17/32"	INNER	9/32"	20*	.025"	26*	38*	1/2	39*
1988	CHEVROLET & GMC TRUCK							I		
	305" ENG. (5.0L)									
	CARB. NOS. 17085231, 284	13/32"	INNER	9/32"	20•	025		28*	7/8	32*
	CARB. NOS. 17085283, 285	13/32"	INNER	9/32"	20*	.025		24•	7/8	32*
	350" ENG (5 71)									
	CARB NOS 17085235	13/32"	INNER	9/22"	48.	0.75			7/0	200
				5/32	-•·	.045		28*	//8	39.
1988	BUICK, CHEVROLET, PONTIAC,									
	OLDS. 305" ENG. (5.0L) CANADA	1						I		
	CARB. NOS. 17088580, 582								1	
	588, 590	3/8"	INNER	9/32"	15*	.025"	21*		7/8	30*