# FUEL SYSTEM SERVICE INSTRUCTION WORKSHEET

# TO REPAIR

# GF3715-6

### ROCHESTER CARBURETOR "MONOJET"

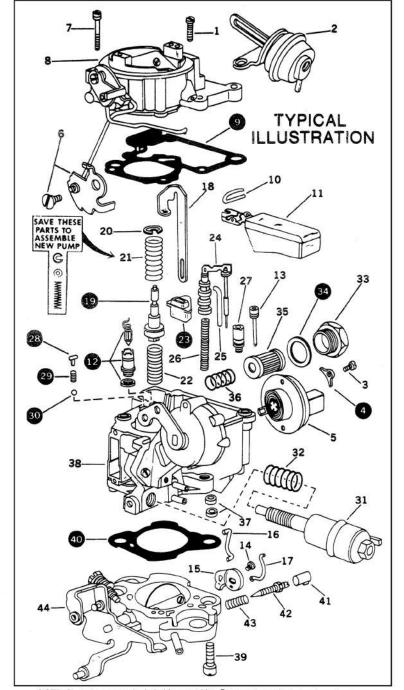
### 1 BARREL - TYPE 1ME, 1MEF

#### 1. 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.
- Use the exploded view as a guide. The numerical sequence may generally be fol-lowed to disassemble the carburetor far enough to permit cleaning and inspection. Parts list shown DOES NOT reflect the contents of the kit.
- Kit may contain extra parts intended for other carburetors within this group. Substi-5. tute identical replacement parts for original worn parts found in carburetor.

#### DISASSEMBLY — ASSEMBLY NOTES

- 1. Measure and record float level setting before dismantling float assembly. Remember that the float unit is subject to possible fuel absorption. It in doubt, replace with a new one.
- Mark or index parts especially where similarities exist. Also note spring location points to insure correct re-assembly. 2
- 3
- 4.
- 5
- Retain all old gaskets for matching purposes. Re-assemble with all new applicable gaskets. SOME MODELS: To remove choke cover, use drill bit size no. 21 (.159<sup>--</sup>) to remove rivet heads (3), then drive out remainer using a drift punch. CAUTION: Before dismantling mixture screw (42), remove limiter cap (some models) using a pair of diagonal cutters (avoid changing mixture screw setting). Mark position of mixture screw, then turn in until lightly seated counting number of turns. Turn out to index mark, record number of turns for re-assembly and remove.
- 6. Check throttle linkage for freedom of movement before and after installing carburetor on engine.



#### CLEANING

Cleaning must be done with carburetor disassembled. Cover opening on intake manifold after carburetor is removed. Soak parts in cleaning solvent long enough to soften foreign matter.

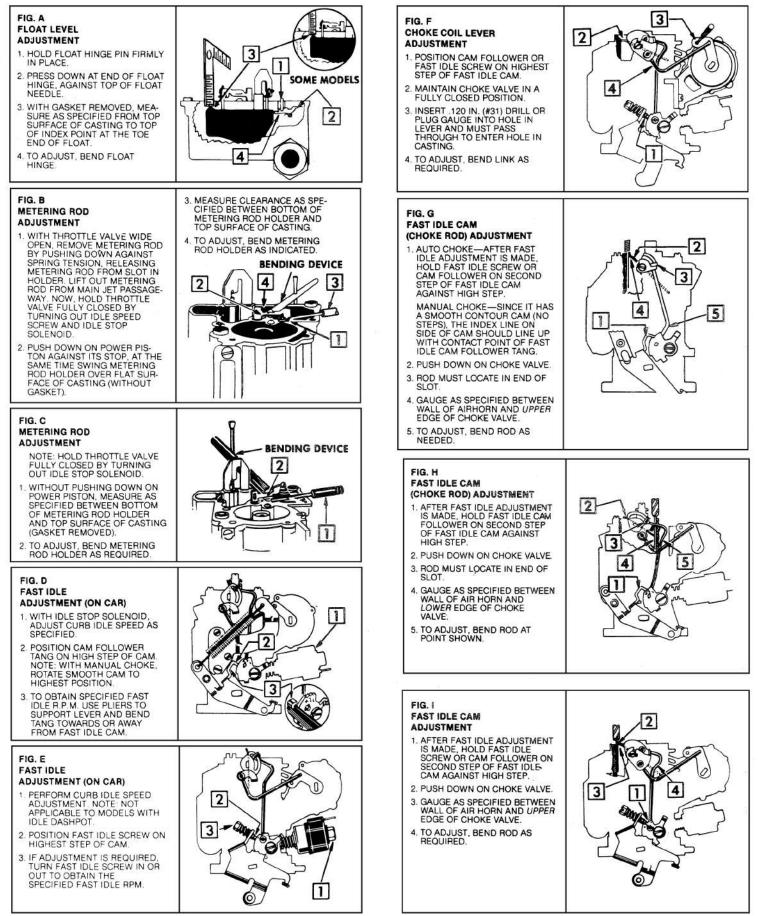
Caution: Do not soak parts made of rubber, leather, plastic or electrical parts. Do not use abrasives. Do not use a metal wire to clean out passageways and jets. Wash off in suitable solvent. Clear all passageways with compressed air.

#### PARTS LIST

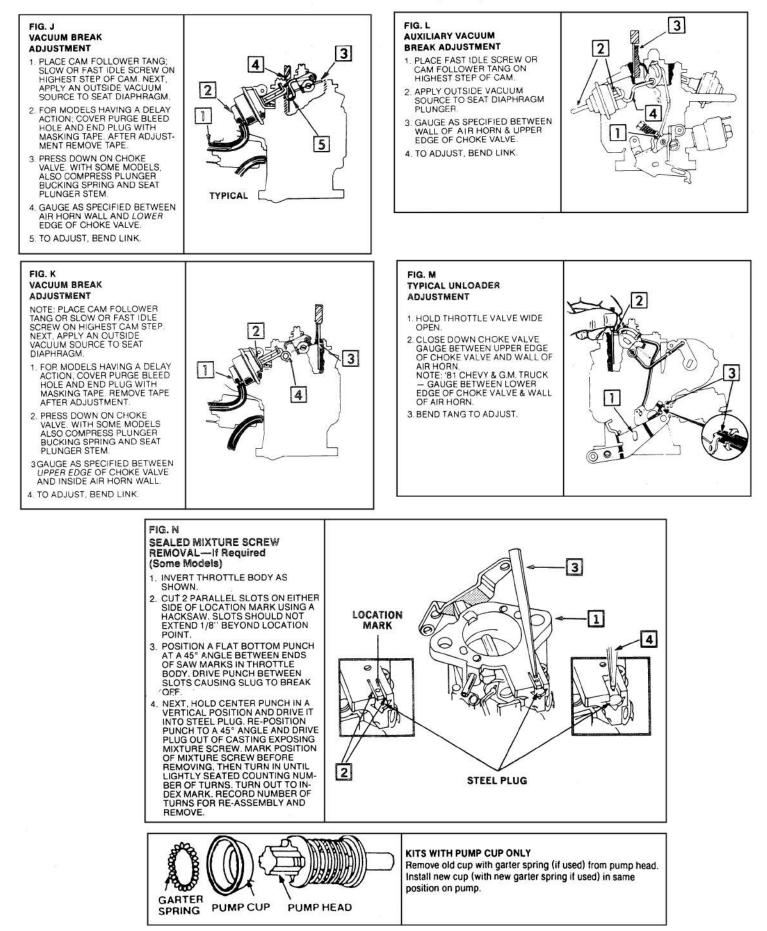
- 1. Screw, Choke Pulloff (2)
- 2. Choke Pulloff Assembly
- 3. Screw, Retainer or Rivets+ (3)
- 4. Retainer, Choke Cover (3)
- 5. Choke Cover Assembly
- 6. Fast Idle Cam & Screw Assembly
- 7. Screw and Washer, Bowl Cover (4)
- 8. Bowl Cover Assembly
- 9. Gasket, Bowl Cover
- 10. Pin, Float
- 11. Float Assembly
- 12. Needle, Seat, Gasket, Assembly
- 13. Idle Tube Assembly
- 14. Screw, Pump Lever
- 15. Lever, Pump/Power Link
- 16. Rod, Pump
- 17. Rod, Power Piston
- 18. Lever, Pump Activating
- 19. Pump Piston Assembly
- 20. Retainer, Pump Spring
- 21. Spring, Pump
- 22. Spring, Pump Return
- 23. Seal, Pump Lever\*
- 24. Metering Rod, Power Piston Assembly
- 25. Rod, Power Piston
- 26. Spring, Power Piston
- 27. Jet, Main Metering
- 28. Spring Guide, Pump Discharge
- 29. Spring, Ball, Pump Discharge
- 30. Ball, Pump Discharge
- 31. Solenoid, Idle Stop
- 32. Spring, Idle Stop Solenoid
- 33. Fitting, Fuel Inlet
- 34. Gasket, Fuel Inlet Filter
- 35. Filter, Fuel Inlet
- 36. Spring, Fuel Inlet Filter
- 37. Seal & Retainer, Power Piston Rod
- 38. Float Bowl Assembly
- 39. Screw, Throttle Body (2)
- 40. Gasket, Throttle Body
- 41. Cap, Idle Limiter
- 42. Screw, Idle Adjusting
- 43. Spring, Idle Adjusting
- 44. Throttle Body

† See Disassembly—Assembly Notes

# ADJUSTMENT DATA



# **ADJUSTMENT DATA (Cont'd)**



<sup>1</sup> For vehicles with 30,000 miles and over, se <sup>2</sup> See decal on vehicle.	t 5/32.
3 Carb. Nos. 17085036, 045 set 13/32.	
4 Carb, Nos. 17080009, 309, 359 measure at	top of choke valve.
5 Carb. No. 17058014 use Fed. A/T spec.	
6 Carb. No. 17057016 set 2100 P.	
<sup>7</sup> Carb. No. 17057016 set 7/64.	
<sup>a</sup> Carb. No. 17057016 set 1 Lean.	
<sup>9</sup> Carb. No. 17057018 set 1/8.	
10 Carb. No. 17057018 set 1 Lean.	
<sup>11</sup> Carb. No. 17058311, 313 set 3/32.	
12 Carb. No. 17057303 set 3/32.	
13 1980 Models set Index.	
	GF3715-6-P4
and long-lasting products.	

# SPECIFICATIONS BY APPLICATION

SPECIFICATION SPECIFICATION																	
Year	MODEL	Float Level	Fig.	Metering Rod Setting		Choke Coil Lever	Fig.	Fast Idle R.P.M.	Fig.	Choke Rod	Fig.	Vacuum Break Setting	Fig.	Un- Ioader Setting	Fig.	Choke Coil Setting	ldle R.P.M. Slow
CHEVE	ROLET, PONTIAC — SPECIFIC	ATION	I.D.	-A													
1978	97.6 Eng. —A/T —w/A.C. —M/T —w/o A.C. —Alt. —A/T —M/T —w/o A.C. —Cal. —A/T —M/T —w/o A.C. —Fed. —A/T —w/o A.C. —Fed. —A/T —Late —Late —M/T —Late —w/A.C.	5/32 5/32 5/32 5/32 5/32 5/32 5/32 5/32	AAAAAAAAA	5/64 5/64 5/64 5/64 5/64 5/64 5/64 5/64	0000000000	1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8		2400 P 2300 N 2400 P 2300 N 2400 P 2300 N 2400 P 2400 P 2400 N		5/64 5/64 5/64 5/64 5/64 5/64 5/64 5/64	TITITI	1/8 1/8 <sup>1</sup> 1/8 <sup>1</sup> 1/8 <sup>1</sup> 1/8 <sup>1</sup> 1/8 1/8 1/8 5/32	<b>うっつつつつつつ</b>	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	M M M M M M M M M	3 Rich 3 Rich 2 Rich 2 Rich 2 Rich 3 Rich 3 Rich 2 Rich 2 Rich	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1977	85 Eng. —A/T	5/32	A	5/64	C C	1/8	F	2400 P	E	3/64	1	5/64	K	13/64	М	2 Rich	2
		5/32 5/32 5/32 5/32 5/32	A A A	5/64 5/64 5/64 5/64	0000	1/8 1/8 1/8 1/8	н н	2300 N 2400 P 2400 P 2400 P		3/64 3/64 3/64 3/64		5/64 5/64 5/64 5/64	K K K K	13/64 13/64 13/64 13/64	M M M	2 Rich 2 Rich 3 Rich 2 Rich	2 2 2 2
	$ \begin{array}{c} -A/T - w/o A.C. \\ -w/A.C. \\ -M/T \\ -AltA/T - w/o A.C. \\ -W/A.C. \\ -W/T. \end{array} $	5/32 5/32 5/32 5/32 5/32 5/32 5/32	A A A A A A	5/64 5/64 5/64 5/64 5/64 5/64	000000	1/8 1/8 1/8 1/8 1/8 1/8		2400 P 2400 P 2400 P 2400 P 2400 P	E E   E E	3/64 3/64 3/64 3/64 3/64 3/64		5/64 5/64 5/64 5/64 5/64 5/64	ккккк	13/64 13/64 13/64 13/64 13/64 13/64	M M M M M	2 Rich Index 2 Rich 2 Rich 2 Rich 2 Rich	2 2 2 2 2 2 2 2 2
1976	85 Eng. —(Exc. Calif.) —w/o A.C. —A/T —w/A.C. —Calif. —A/T —M/T 97.6 Eng. —(Exc. Calif.) —A/T —w/o A.C. —W/A.C. —M/T —Calif. —A/T —w/o A.C. —W/A.C.	5/32 5/32 5/32 5/32 5/32 5/32 5/32 5/32	A A A A A A A A A A A A A A A A A A A	5/64 5/64 5/64 5/64 5/64 5/64 5/64 5/64	000000000000000000000000000000000000000		DILLUILL	2200 P 2000 N 2200 P 2200 P 2000 N 2200 P 2200 P 2200 N 2200 N 2200 N		1/16 1/16 1/16 1/16 1/16 1/16 1/16 1/16		5/64 5/64 5/64 5/64 5/64 5/64 5/64 5/64	*******	13/64 13/64 13/64 13/64 13/64 13/64 13/64 13/64 13/64 13/64	M M M M M M M M M M	3 Rich 3 Rich 3 Rich 3 Rich 3 Rich 3 Rich 3 Rich 3 Rich 3 Rich 3 Rich	700/800 600/800 800/950 850/600 1000/600 700/800 800/950 600/800 850/600 1000/600
GMTR	UCKS - SPECIFICATION I.D	в					÷										
1987-85	292 Eng.	11/32	A	3/32	C	1/8	F	2	D	9/32	Н	13/643	J	33/64	М	T.R.	2
1984-80 1979	292 Eng. —Cal. —Fed. —A/T	11/32 3/8 3/8	A A A	3/32 3/32 3/32	C B B	1/8 1/8 1/8	F	2 2100 P,N 2000 P	D D D	9/32 17/64 17/64	H H H	13/32 25/64 25/64	J J J	33/64 <sup>4</sup> 17/32 17/32	M M M	T.R. <sup>13</sup> 2 Rich 2 Rich	2 2 2
CDECI	FICATION I.DC	3/8	A	3/32	В	1/8	F	1800 N	D	17/64	Н	25/64	1	17/32	М	2 Rich	2
CHECI																	
1979	250 Eng.—Cal.—A/T —Fed.—A/T	3/8 3/8	A A	3/32 3/32	B B	1/8 1/8	F	2000 P 2000 P	D D	3/16 11/64	H H	1/4 13/64	J J	13/32 13/32	M M	Index Index	2 2
1978	250 Eng.—Cal.—A/T —Fed.—A/T	3/8 5/16	AA	3/32 3/32	B B	1/8 1/8	F	2000 P 2100 N	D D	3/16 11/64	H H	1/4 13/64	JJ	13/32 1/2	M M	Index Index	2 2
1977	250 Eng.—Fed. —Alt.	3/8 3/8	A	5/64 5/64	B B	1/8 1/8	F	2000 P 2100 P	D D	5/64 7/64	G G	7/64 1/8	ĸ	21/64 21/64	M	2 Rich 1 Lean	2
CHEV	ROLET, PONTIAC					- 6,5											
1979	250 Eng.—Cal.—A/T	3/8	A	3/32	B	1/8	F	2000 P	D	3/16	Н	1/4	i	13/32	M	Index	2 2
1978	-FedA/TM/T 250 EngCalA/T Can. <sup>5</sup> A/T FedA/T FM/T	3/8 3/8 5/16 5/16 3/8	A A A A	3/32 3/32 5/64 3/32 5/64	B B B B B B	1/8 1/8 1/8 1/8 1/8		2000 P 2000 P 2100 P,N 2100 N 2000 N	D D D D D D	11/64 3/16 13/64 11/64 11/64	H H H H H H H H H H H H H H H H H H H		JJJJ	13/32 13/32 29/64 1/2 1/2	M M M M	Index Index Index Index Index	2 2 2 2 2
1977	250 Eng. Carb. Nos. 17057013, 015, 016 Carb. Nos. 17057014, 018, 020 Carb. Nos. 17057025, 029, 082 Carb. Nos. 17057310, 312 Carb. Nos. 17057314, 318 Carb. Nos. 17057322, 324	3/8 3/8 3/8 3/8 3/8 3/8 3/8 3/8	A A A A A A A	5/64 5/64 5/64 3/32 5/64 3/32	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1/8 1/8 1/8 1/8 1/8 1/8 1/8		2000 P,№ 2000 P 2000 P,N 1800 P 1800 P 1800 P	ם ממממ	3/32 <sup>7</sup> 5/64 7/64 3/32 3/32 1/8	GGGGGGG	1/8 7/64 <sup>9</sup> 9/64 7/64 7/64 9/64	*****	21/64 21/64 21/64 7/32 7/32 7/32 7/32	M M M M M	2Rich <sup>8</sup> 2 Rich <sup>10</sup> Index Index Index Index	2 2 2 2 2 2 2 2
GM T	RUCKS				_	-		6	_		_		_				
1979-78	250, 292 Eng.—Cal., Fed. Carb. No. 17058011	5/16 5/16	A	1/16 1/16	BB	1/8 1/8	F	2400 P 2400 P	D D	9/32 5/32	H H	21/64	7	33/64	M	Index	2
1978	250 Eng.—Fed. —Alt Cal.	5/16 5/16	AA	5/64 5/6411	B B	1/8 1/8	F	2100 P.N 2100 P.N	D D	13/64 3/16	H H	1/4 1/4	J	29/64 39/64	M M	Index Index	2
1977	250, 292 Eng. Carb. Nos. 17057001, 303 Carb. Nos. 17057002, 004, 010, 302 Carb. No. 17057005 Carb. Nos. 17057006, 007, 008, 009, 308, 309	3/8 3/8 3/8 5/16	A A A	5/64 <sup>12</sup> 5/64 5/64 1/16	B B B B B B	1/8 1/8 1/8 1/8	ההר הה	2100 N 2100 P 2100 N 2400 P.N		1/8 7/64 9/64 5/32 5/64	000 000	5/32 9/64 3/16 3/16	ккк к	21/64 21/64 21/64 33/64	M M M	Index Index Index Index	2 2 2 2
	Carb. No. 17057011	5/16	A	1/16	В	1/8	t	2400 P.N	D	5/64			<u>[</u> _]	1000	-		-
A/T A.I.R. Alt. Cal. D	ABBREVIATIONS Air Conditioned Fe Automatic Transmission H. Air Injection Reactor L.I Altitude M California N Combination Emission Control Valve N. Transmission in Drive P Except T.I	D. Heavy Duty D. Light Duty T Manual Transmission Transmission in Neutral A. Not Adjustable Transmission in Park						19				<ul> <li>For vehicles with 30,000 miles and over, set 5/32.</li> <li>See decal on vehicle.</li> <li>Carb. Nos. 17085036, 045 set 13/32.</li> <li>Carb. Nos. 17080009, 309, 359 measure at top of 6</li> <li>Carb. No. 17057016 set 2100 P.</li> <li>Carb. No. 17057016 set 2100 P.</li> <li>Carb. No. 17057016 set 7/64.</li> <li>Carb. No. 17057016 set 1 Lean.</li> <li>Carb. No. 17057018 set 1/8.</li> </ul>					

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