

INSTRUCTION SHEET

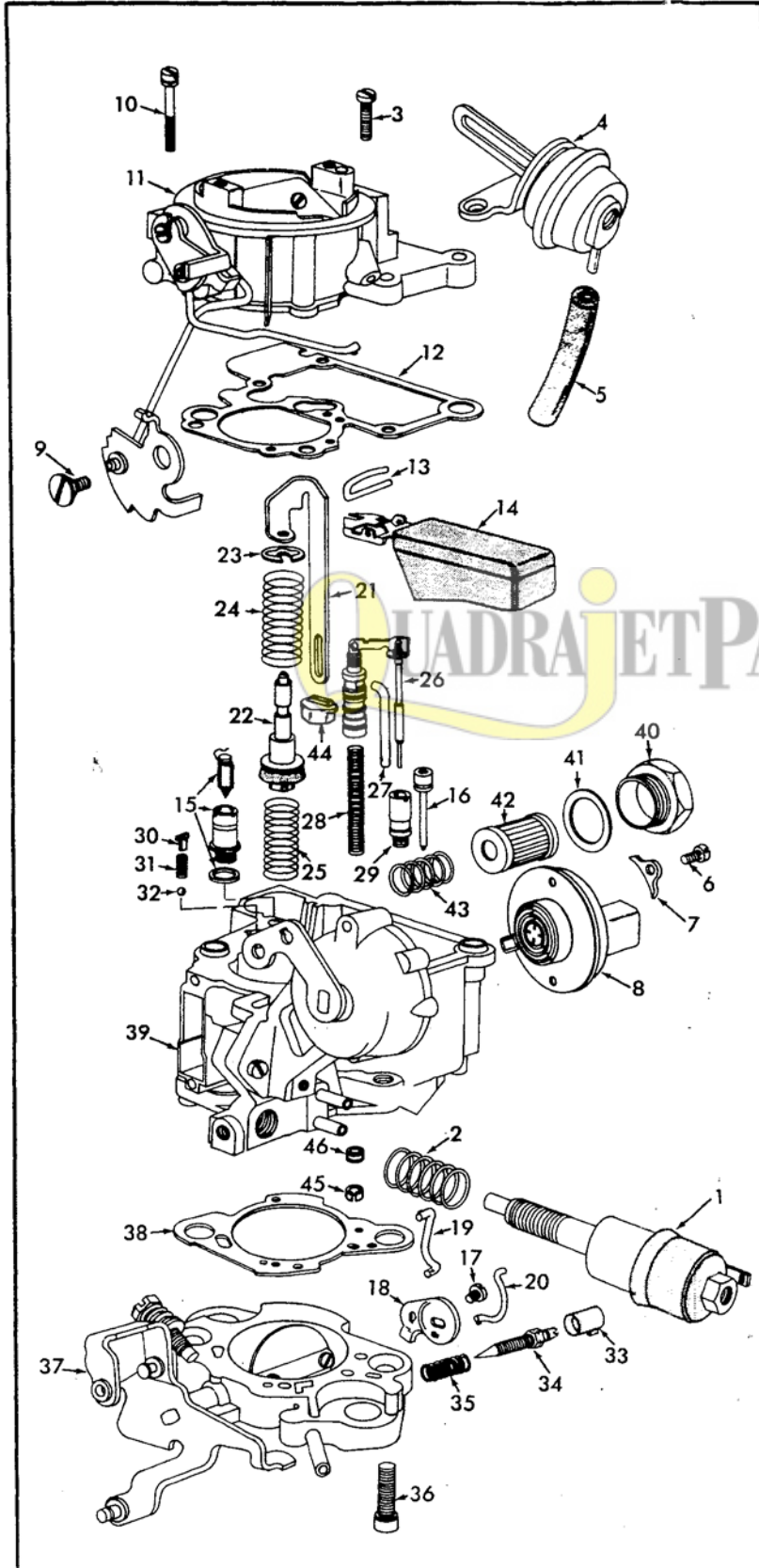
OFF VEHICLE CARBURETOR SERVICE

ROCHESTER MODEL — 1 ME

50-527-5

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 INSPECTION. CALIBRATION SCREW FOR PART THROTTLE, LOCATED IN FLOAT BOWL, IS FACTORY ADJUSTED AND SHOULD NOT BE TAMPERED WITH. IDLE LIMITER CAP (33) CAN EASILY BE REMOVED BY BREAKING OFF WITH A PAIR OF PLIERS. NO REPLACEMENT CAP IS NECESSARY AS A BARE MIXTURE SCREW IS SUFFICIENT TO INDICATE THAT THE MIXTURE HAS BEEN READJUSTED. TAMPER RESISTANT CHOKE HOUSING AND COVER ASSEMBLY MUST BE REMOVED ON MAJOR OVERHAUL AND WHEN NECESSARY TO REMOVE RIVETS, RETAINERS AND CHOKE COIL COVER. SEE FIG. 10 ON REMOVING AND REPLACING COVER.

NOMENCLATURE

REF. NO.	REF. NO.
1. SOLENOID- IDLE STOP	24. SPRING- PUMP
2. SPRING- SOLENOID	25. SPRING- PUMP RETURN
3. SCREW (2)- CHOKE PULL OFF	26. POWER PISTON & METERING ROD ASSY.
4. CHOKE PULL OFF ASSY.	27. ROD- POWER PISTON
5. HOSE- CHOKE PULL OFF	28. SPRING- POWER PISTON
6. SCREW (3)- RETAINER	29. JET- MAIN METERING
7. RETAINER (3)- CHOKE COVER	30. GUIDE- PUMP DISC. SPRING
8. CHOKE COVER ASSY.	31. SPRING- PUMP DISC. BALL
9. SCREW- FAST IDLE CAM	32. BALL- PUMP DISC. CHECK
10. SCREW & LOCKWASHER (4)- BOWL COVER	33. CAP- IDLE LIMITER
11. BOWL COVER ASSY.	34. NEEDLE- IDLE ADJUSTING
12. GASKET- BOWL COVER	35. SPRING- IDLE ADJ. NEEDLE
13. HINGE PIN- FLOAT	36. SCREW & LOCKWASHER (2)- THROTTLE BODY
14. FLOAT ASSY.	37. THROTTLE BODY ASSY.
15. NEEDLE, SEAT & GASKET ASSY.	38. GASKET- THROTTLE BODY
16. IDLE TUBE ASSY.	39. FLOAT BOWL ASSY.
17. SCREW- PUMP & POWER LINK LEVER	40. NUT- FUEL INLET FILTER
18. LEVER- PUMP & POWER LINK	41. GASKET- FILTER NUT
19. LINK- PUMP	42. FILTER- FUEL
20. LINK- POWER PISTON ROD	43. SPRING- FUEL FILTER
21. ROD- PUMP	44. SEAL- PUMP ROD
22. PUMP PISTON ASSY	45. RETAINER- ROD SEAL
23. RETAINER PUMP SPRING	46. SEAL- POWER PISTON ROD

CLEANING

CAUTION: SOLENOID (1) CHOKE PULL OFF (4) ELECTRIC CHOKE COVER (8) OR PARTS CONTAINING RUBBER SHOULD NOT BE PLACED IN ANY TYPE OF CLEANING SOLVENT. PLASTIC PARTS WILL WITHSTAND NORMAL CLEANING TIME IN AN APPROVED COLD IMMERSION TYPE CARBURETOR CLEANER. 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 BODY IS FREE OF ALL CARBON DEPOSITS. WASH OFF IN SUITABLE SOLVENT. BLOW OUT PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS.

REASSEMBLY

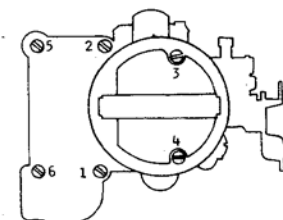
REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (34)- TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 2 TURNS

THROTTLE BODY TO BOWL ATTACHING SCREWS (36)- TIGHTEN EVENLY AND TORQUE TO 12-15 FT. LBS.

BOWL COVER ATTACHING SCREWS (3)(10)- TIGHTEN SECURELY USING TIGHTENING SEQUENCE.

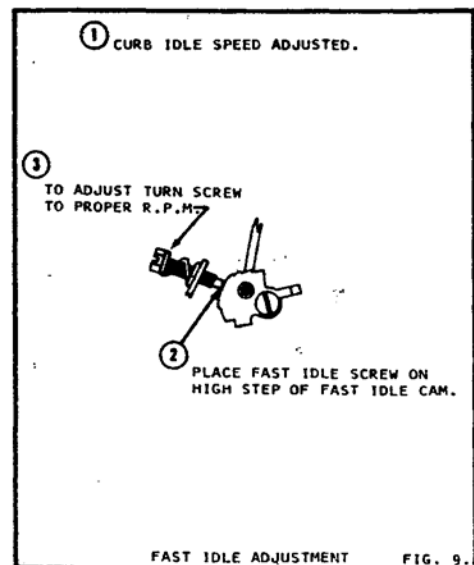
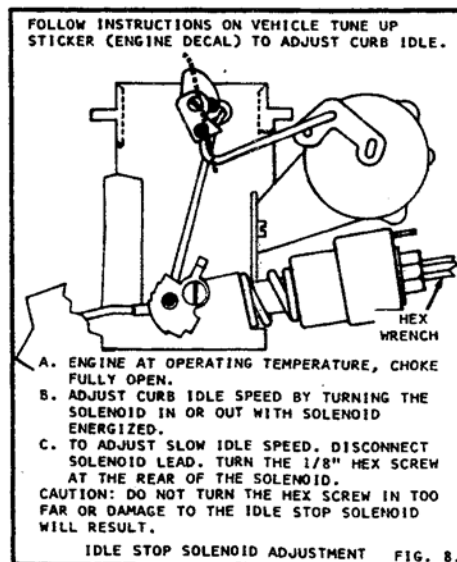
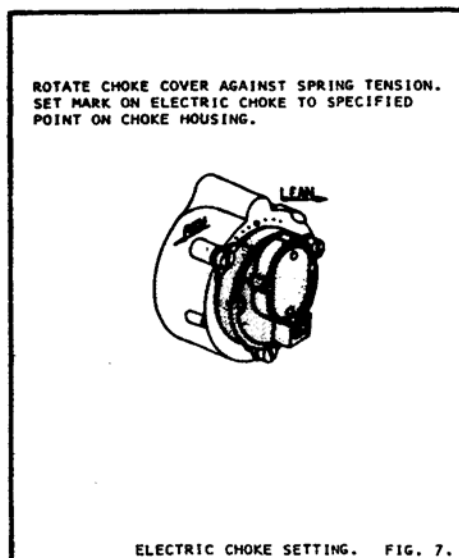
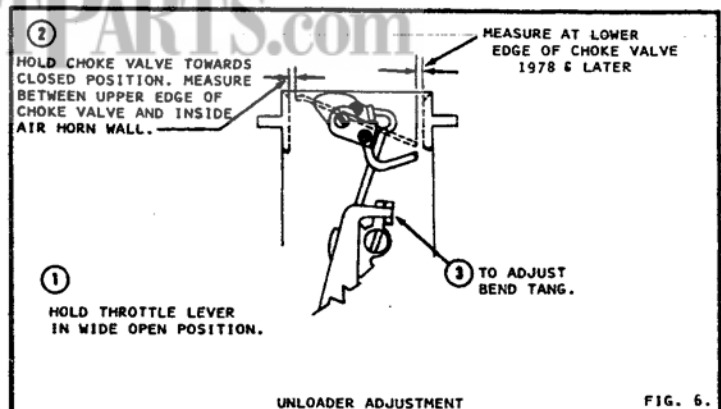
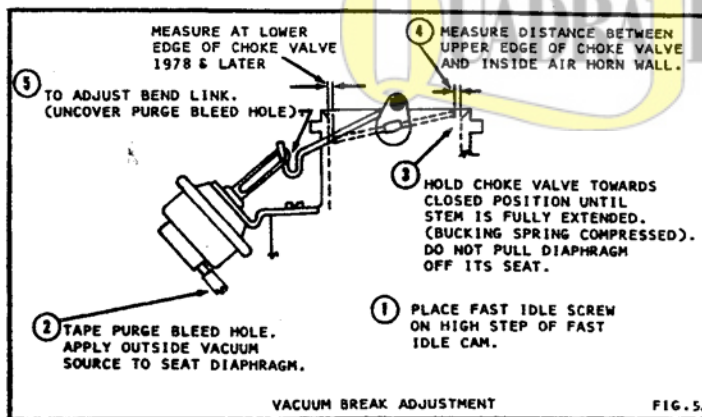
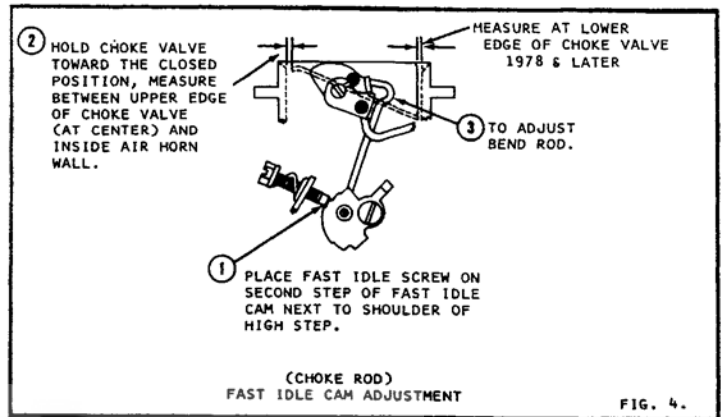
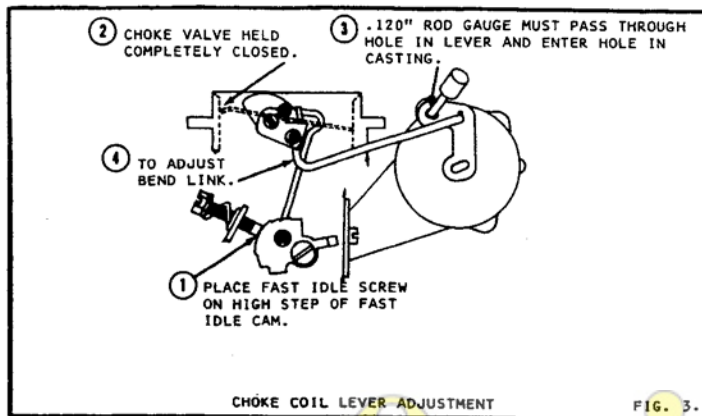
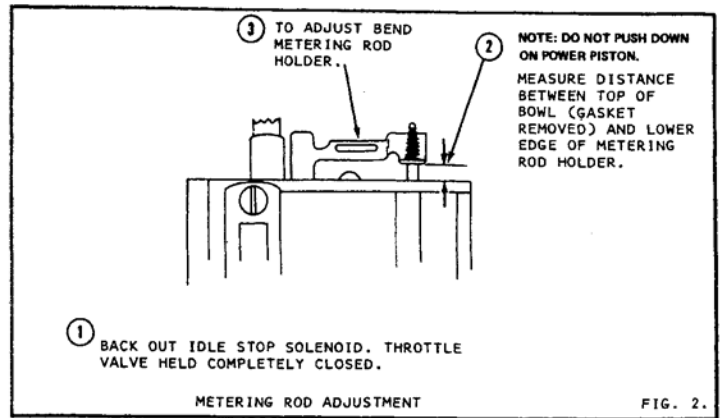
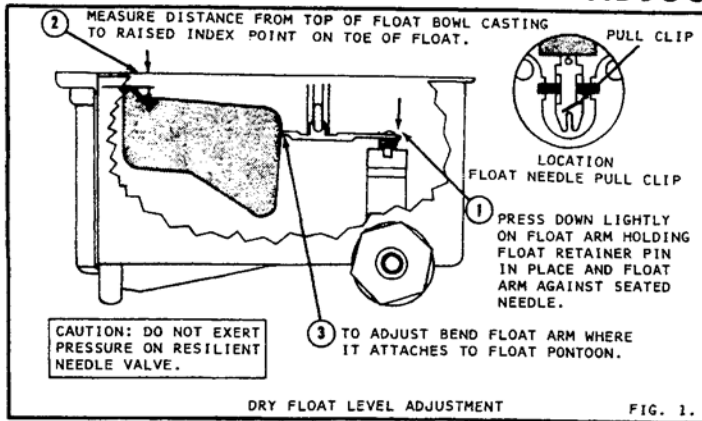


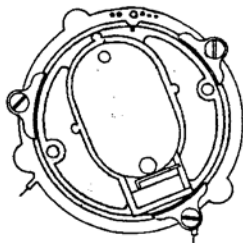
PUMP & POWER LINK LEVER SCREW (17)- USE A THREAD SEALANT ON SCREW WHEN INSTALLING.

CHOKE COVER ASSY. (8)- DO NOT INSTALL A CHOKE COVER GASKET BETWEEN THE ELECTRIC CHOKE ASSY. AND THE CHOKE HOUSING.

CARBURETOR HOLD DOWN NUTS TIGHTEN TO 8-14 FT. LBS. OF TORQUE.

ADJUSTMENTS





CAREFULLY ALIGN A #21 DRILL (.159") 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. REPLACEMENT RETAINERS AND SELF TAPPING SCREWS ARE FOUND IN REPAIR KIT.

BEFORE ASSEMBLING CHOKE, START SELF TAPPING SCREWS IN CHOKE HOUSING TO BE SURE SCREWS START EASILY AND ARE ALIGNED PROPERLY. CHOKE COVER INSTALLATION, ALIGN NOTCH IN COVER WITH RAISED BOSS CAST IN CHOKE HOUSING. TIGHTEN SCREWS EVENLY AND SECURELY.

1980

CAUTION: BE SURE LOOP END OF COIL SPRING IS ON PIN OF COIL PICK UP LEVER.

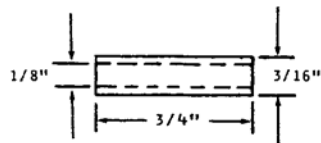
REMOVING & REPLACING TAMPER RESISTANT CHOKE COVER

1981

CAREFULLY ALIGN A #21 DRILL (.159") 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 REASSEMBLE ALIGN NOTCH IN COVER WITH RAISED BOSS CAST IN CHOKE HOUSING. (CAUTION: BE SURE LOOP END OF COIL SPRING IS ON PIN OF COIL PICK UP LEVER.) INSTALL RETAINERS AND NEW POP RIVETS TO SECURE CHOKE COVER.

IT MAY BE NECESSARY TO USE AN ADAPTER (TUBE) IF INSTALLING TOOL INTERFERES WITH ELECTRICAL CONNECTOR TOWER ON CHOKE COVER.



MADE FROM STEEL TUBING.

FIG. 10

QUADRAJETPARTS.com

ADJUSTMENT DATA TABLE

Year	Application		Float Level (Dry)	Metering Rod	Choke Rod (Fast Idle Cam)	Vacuum Break	Unloader	Auto Choke	Slow Idle	Fast Idle R.P.M.
1977	Checker Mtrs. 250" Eng.									
	Federal	A/T	3/8"	5/64"	3/32"	7/64"	21/64"	1-RICH	E/D	2000
	Altitude	A/T	3/8"	5/64"	7/64"	1/8"	21/64"	1-LEAN	E/D	2100
1978	Checker Mtrs. 250" Eng.									
	Federal	A/T	5/16"	3/32"	3/16"	13/64"	1/2"	INDEX	E/D	2100
	California	A/T	3/8"	3/32"	3/16"	1/4"	13/32"	INDEX	E/D	2000
1979	Checker Mtrs. 250" Eng.									
	Federal	A/T	3/8"	3/32"	3/16"	13/64"	13/32"	INDEX	E/D	E/D
	Calif.	A/T	3/8"	3/32"	13/64"	1/4"	13/32"	INDEX	E/D	E/D
1976	Chevrolet 4 Cyl.									
		A/T	5/32"	5/64"	1/16"	3/32"	13/64"	3-RICH	E/D	2200
		M/T	5/32"	5/64"	1/16"	3/32"	13/64"	3-RICH	E/D	2000
1977	Chevrolet 4 Cyl.									
		A/T	5/32"	5/64"	3/64"	5/64"	13/64"	2-RICH	E/D	2400
		M/T	5/32"	5/64"	3/64"	5/64"	13/64"	2-RICH	E/D	2300
1978	Chevrolet 4 Cyl. 97.6" Eng.									
	Federal	A/T	5/32"	5/64"	5/64"	1/8"	1/2"	3-RICH	E/D	2400
	Carb. No. 17058031	M/T	5/32"	5/64"	7/64"	5/32"	1/2"	2-RICH	E/D	2400
	Carb. No. 17058035	M/T	5/32"	5/64"	5/64"	1/8"	1/2"	3-RICH	E/D	2300
	Calif./Alt.	A/T	5/32"	5/64"	5/64"	5/32"	1/2"	2-RICH	E/D	2400
		M/T	5/32"	5/64"	5/64"	5/32"	1/2"	2-RICH	E/D	2300
1977	Chevrolet 6 Cyl. 250" Eng.									
	Federal	A/T	3/8"	5/64"	3/32"	1/8"	21/64"	1-RICH	E/D	2000
	Federal	M/T	3/8"	5/64"	7/64"	1/8"	21/64"	1-RICH	E/D	2000
	Carb. No. 17057025/029	M/T	3/8"	5/64"	7/64"	9/64"	21/64"	INDEX	E/D	2000
	Altitude	A/T	3/8"	5/64"	7/64"	1/8"	21/64"	1-LEAN	E/D	2100
	California	A/T	3/8"	5/64"	3/32"	7/64"	21/64"	INDEX	E/D	1800
	Calif. Carb. No. 17057310/ 312	A/T	3/8"	3/32"	3/32"	7/64"	7/32"	INDEX	E/D	1800
	Calif. Carb. No. 17057322/324	A/T	3/8"	3/32"	1/8"	9/64"	13/64"	INDEX	E/D	1800
	Canada	A/T	3/8"	5/64"	7/64"	9/64"	21/64"	INDEX	E/D	2000
1978	Chevrolet 6 Cyl. 250" Eng.									
	Federal	A/T	5/16"	3/32"	3/16"	13/64"	1/2"	INDEX	E/D	2100
		M/T	3/8"	5/64"	3/16"	13/64"	1/2"	INDEX	E/D	2000
	California	A/T	3/8"	3/32"	3/16"	1/4"	13/32"	INDEX	E/D	2000
	Canada		5/16"	5/64"	13/64"	1/4"	29/64"	INDEX	E/D	2000
1979	Chevrolet 6 Cyl. 250" Eng.									
	Federal	All/T	3/8"	3/32"	3/16"	13/64"	13/32"	INDEX	E/D	E/D
	Calif.	A/T	3/8"	3/32"	13/64"	1/4"	13/32"	INDEX	E/D	E/D
1977	Chevrolet & GMC Truck 6 Cyl. 250" Eng.									
		A/T	3/8"	5/64"	7/64"	9/64"	21/64"	INDEX	E/D	2100
		M/T	3/8"	5/64"	1/8"	5/32"	21/64"	INDEX	E/D	2100
	Altitude	A/T	3/8"	5/64"	9/64"	3/16"	21/64"	INDEX	E/D	2100
	Altitude	M/T	3/8"	5/64"	7/64"	9/64"	21/64"	INDEX	E/D	2100
	Carb. No. 17057006/7007	All/T	5/16"	1/16"	5/32"	3/16"	1/2"	INDEX	E/D	2400
1978	Chevrolet & GMC Truck 250" Eng.									
	Federal	A/T	5/16"	5/64"	13/64"	1/4"	29/64"	INDEX	E/D	2100
	Fed. Carb. No. 17058006	A/T	5/16"	5/64"	9/32"	21/64"	1/2"	INDEX	E/D	2400
	Federal	M/T	5/16"	5/64"	13/64"	1/4"	29/64"	INDEX	E/D	2100
	Fed. Carb. No. 17058007	M/T	5/16"	5/64"	9/32"	21/64"	1/2"	INDEX	E/D	2400
	Altitude	All/T	5/16"	5/64"	3/16"	1/4"	39/64"	INDEX	E/D	2100
	California	A/T	5/16"	5/64"	3/16"	1/4"	39/64"	INDEX	E/D	2100
		M/T	5/16"	3/32"	3/16"	1/4"	39/64"	INDEX	E/D	2100
1977	Chevrolet & GMC Truck 6 Cyl. 292" Eng.									
		All/T	5/16"	1/16"	5/32"	3/16"	1/2"	INDEX	E/D	2400
	Hand/Choke		5/16"	1/16"	3/32"	----	----	-----	E/D	2400
1978	Chevrolet & GMC Truck 292" Eng.									
	Federal	All/T	5/16"	1/16"	9/32"	21/64"	1/2"	INDEX	E/D	2400
	Fed. Carb. No. 17058011	M/T	5/16"	1/16"	5/32"	----	----	-----	E/D	2400
	California	All/T	5/16"	1/16"	9/32"	21/64"	1/2"	INDEX	E/D	2400
1979	Chevrolet & GMC Trk. 292" Eng.									
		All/T	3/8"	3/32"	9/32"	13/32"	33/64"	2-RICH	E/D	E/D
1980-86	Chevrolet & GMC Trk. 292" Eng.									
		All/T	11/32"	3/32"	9/32"	1986 13/64"	13/32"	33/64"	TR	E/D
1977	Pontiac (Acadian) 4 Cyl.									
		A/T	5/32"	5/64"	3/64"	5/64"	13/64"	2-RICH	E/D	2400
		M/T	5/32"	5/64"	3/64"	5/64"	13/64"	2-RICH	E/D	2300
1978	Pontiac (Acadian) 4 Cyl.									
	Canada	A/T	5/32"	5/64"	5/64"	1/8"	1/2"	3-RICH	E/D	2400
		M/T	5/32"	5/64"	5/64"	1/8"	1/2"	3-RICH	E/D	2300
	Canada 250" Eng. 6 Cyl.									
	Carb. No. 17058014	A/T	5/16"	3/32"	3/16"	13/64"	1/2"	INDEX	E/D	2100
	Carb. No. 17058026	A/T	5/16"	5/64"	13/64"	1/4"	29/64"	INDEX	E/D	2100

E/D = ENGINE DECAL

REV. 12/86