

INSTRUCTION SHEET

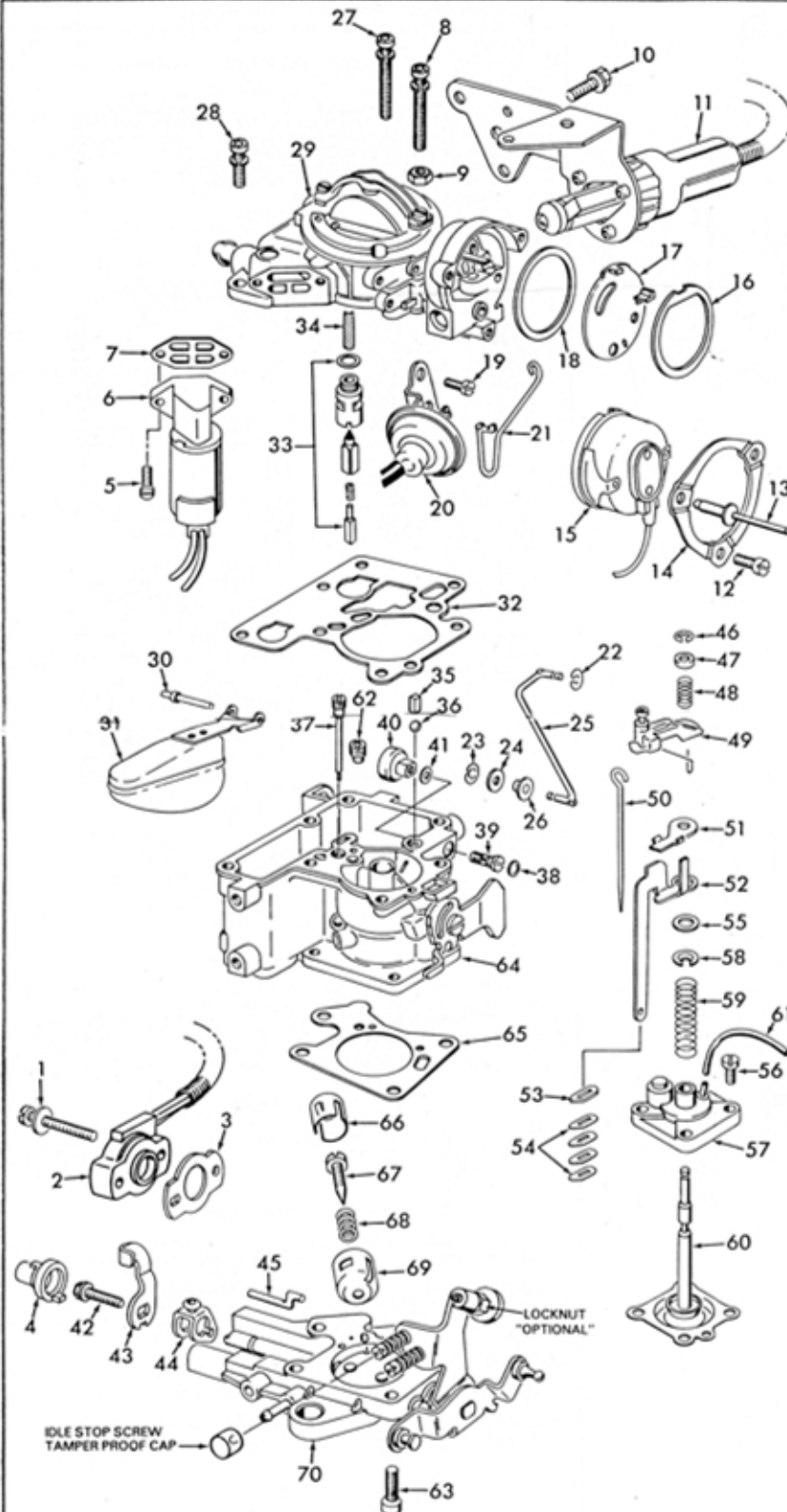
OFF VEHICLE CARBURETOR SERVICE

CARTER MODEL-YFA

GF10656

1984-86 TRUCK 4.9L ENGINE

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



DISASSEMBLY

USE THE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION. TO REMOVE POP RIVETS USED ON CHOKE CLAMP, DRILL RIVET HEAD JUST ENOUGH TO COME LOOSE FROM RIVET BODY, USING A SMALL PUNCH, DRIVE REMAINING RIVET OUT OF THE HOLE.

PUMP BY-PASS PLUG, DRILL SMALL HOLE IN PLUG AND REMOVE PLUG WITH SMALL EASY-OUT OR USE A SHARP PUNCH OR AN AWL.

NOTE THE LOCATION OF ANY WASHERS SHIMMING EITHER SPRING FOR PROPER REASSEMBLY.

TO REMOVE IDLE LIMITER CAP AND CUP FROM THE IDLE ADJUSTING NEEDLE, CAREFULLY SAW A SLOT LENGTHWISE THROUGH THE METAL CUP, ITEM (66). INSERT A SCREWDRIVER IN THE SLOT CUT BY THE HACK SAW BLADE AND CAREFULLY TURN, SPREADING THE OUTER EDGE OF THE CUP SUFFICIENTLY TO ALLOW REMOVAL OF THE CAP, ITEM (66).

USE EXTREME CARE IN PERFORMING THE ABOVE PROCEDURE TO AVOID DAMAGE TO THE ADJUSTING NEEDLE AND THE CARBURETOR BASE BEFORE REMOVING IDLE ADJUSTING NEEDLE TURN IN CLOCKWISE, COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT THE NEEDLE. RECORD FOR REASSEMBLY.

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & LKWSHR. (2)-THROTTLE SENSOR	33. NEEDLE & SEAT ASSY.
2. THROTTLE SENSOR ASSEMBLY	34. SCREEN-NEEDLE SEAT
3. PLATE-SENSOR	35. WEIGHT-DISC. BALL
4. DRIVE COUPLER-SENSOR	36. BALL-PUMP DISCHARGE
5. SCREW (2)-FEEDBACK SOLENOID	37. JET-LOW SPEED
6. FEEDBACK SOLENOID ASSY.	38. PLUG-PUMP RELIEF SCREW
7. GASKET-FEEDBACK SOLENOID	39. SCREW-PUMP RELIEF CHECK
8. SCREW & LKWSHR.-SOLENOID BRACKET	40. PUMP RELIEF CHECK ASSY.
9. LOCKNUT-BRACKET SCREW	41. GASKET-PUMP RELIEF CHECK ASSEMBLY
10. SCREW (3)-BRACKET	42. SCREW-THROTTLE SHAFT LEVER
11. SOLENOID & BRACKET ASSY.-THROTTLE	43. LEVER-SENSOR DRIVE COUPLER
12. SCREW (3)-CHOKE COVER CLAMP	44. ARM-PUMP LINK
13. POP RIVET (2)-SOME MODELS	45. LINK-PUMP CONNECTOR
14. CLAMP-CHOKE COVER	46. E-CLIP-UPPER SPRING RETAINER
15. CHOKE COVER & SPRING ASSY.	47. SPRING-CUP
16. GASKET-CHOKE COVER	48. SPRING-UPPER PUMP
17. Baffle PLATE-COVER	49. ARM & ADJ. SCREW ASSY.-METERING ROD
18. GASKET-Baffle PLATE	50. ROD-METERING
19. SCREW (2)-CHOKE PULL OFF	51. PLATE-ADJ. SCREW
20. CHOKE PULL OFF ASSY. W/HOSE	52. LINK-PUMP LIFTER
21. LINK-CHOKE PULL OFF	53. RETAINER-LIFTER LINK SEAL
22. RETAINER-FAST IDLE ROD (UPPER)	54. SEAL (4)-LIFTER LINK
23. RETAINER-FAST IDLE ROD (LOWER)	55. WASHER-LIFTER LINK SPACER
24. WASHER-FAST IDLE ROD	56. SCREW & LKWSHR. (4)-PUMP
25. ROD-FAST IDLE	57. PUMP HOUSING ASSEMBLY
26. WASHER/BUSHING-FAST IDLE ROD	58. RETAINER-PUMP SPRING
27. SCREW & LKWSHR. (2)-BOWL COVER (LONG)	59. SPRING-PUMP RETURN
28. SCREW & LKWSHR. (4)-BOWL COVER	60. DIAPHRAGM ASSY.-PUMP
29. BOWL COVER ASSEMBLY	61. TUBE-PUMP PASSAGE
30. PIN-FLOAT	62. JET-MAIN
31. FLOAT & LEVER ASSEMBLY	63. SCREW (4)-THROTTLE BODY
32. GASKET-BOWL COVER	64. BOWL ASSEMBLY
	65. GASKET-THROTTLE BODY
	66. CAP-IDLE NEEDLE
	67. NEEDLE-IDLE ADJUSTING
	68. SPRING-IDLE ADJ. NEEDLE
	69. CUP-IDLE NEEDLE
	70. THROTTLE BODY ASSEMBLY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. MAKE CERTAIN THE THROTTLE BORE IS FREE OF ALL CARBON AND VARNISH 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. CAUTION: DO NOT SOAK PARTS CONTAINING RUBBER MATERIALS OR UNITS SUCH AS (2), (6), (11), (15), (20), (31), & (40).

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS NECESSARY FOR CARBURETOR BEING SERVICED.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (67)-TURN IN UNTIL LIGHTLY SEATED. THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY. (DO NOT INSTALL CAP (66) AT THIS TIME).

PUMP DIAPHRAGM INSTALLATION (60)-INSERT DIAPHRAGM (60) IN HOUSING (57) AND ALIGN HOLES. INSERT SCREWS THROUGH HOUSING AND DIAPHRAGM. INSTALL SPRING (59) AND RETAINER (58). PLACE IN CARBURETOR START SCREWS THEN PUSH DOWN ON DIAPHRAGM STEM. HOLDING IN THIS POSITION, TIGHTEN SCREWS 6-11 INCH LBS.

MAIN JET (62)-PRIOR TO INSTALLATION PUT ONE DROP OF FORD SPECIFICATION ESE-M4G-204-A3 (LOCTITE 262 OR EQUIVALENT) ON THE THREADS OF THE JET, AND TIGHTEN TO 30 INCH LBS.

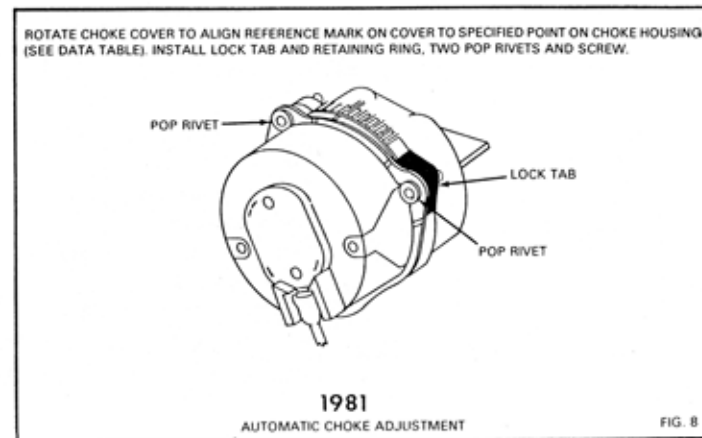
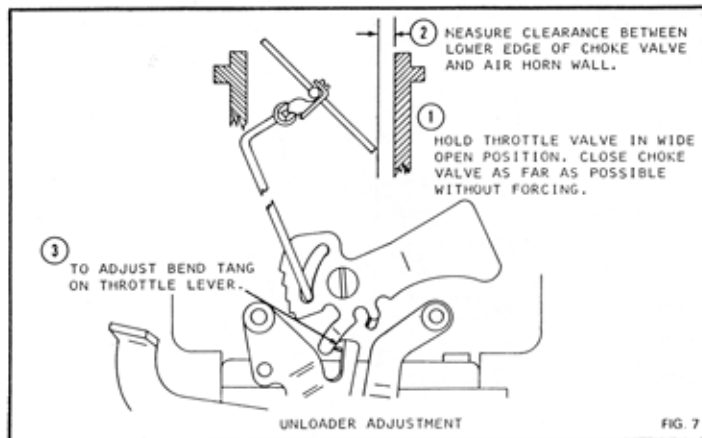
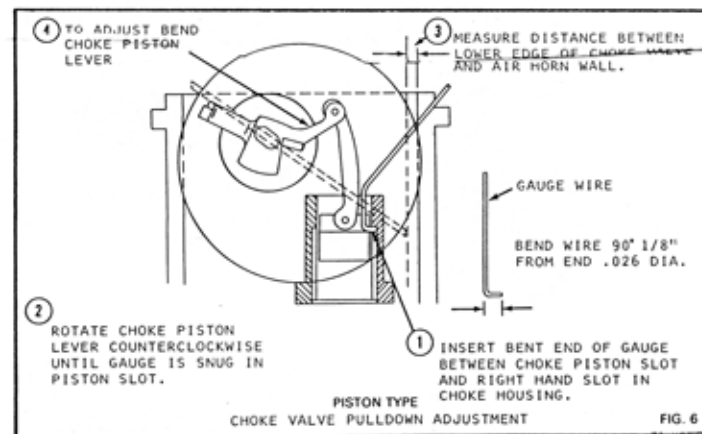
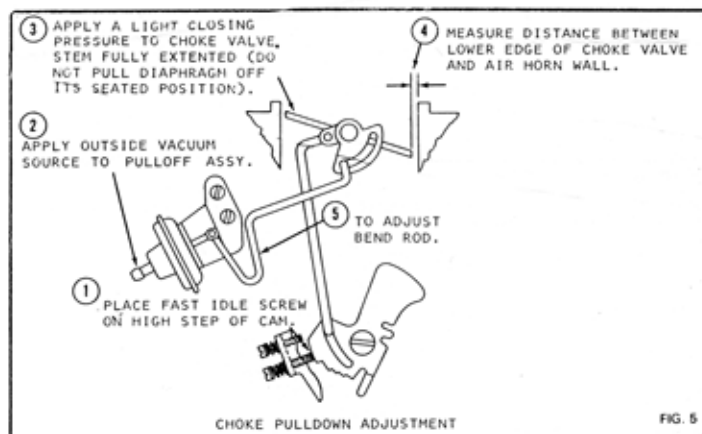
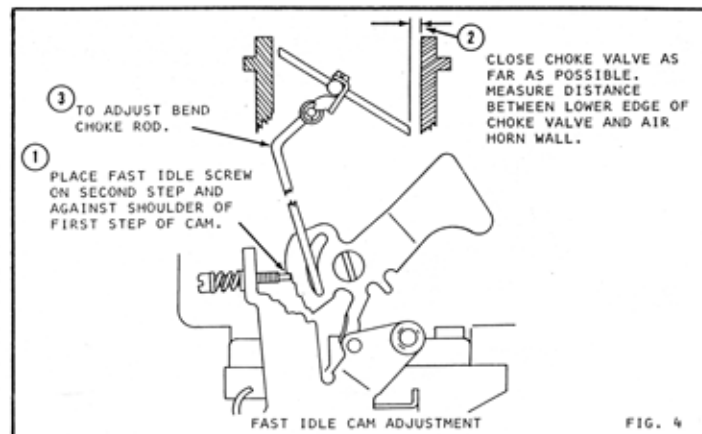
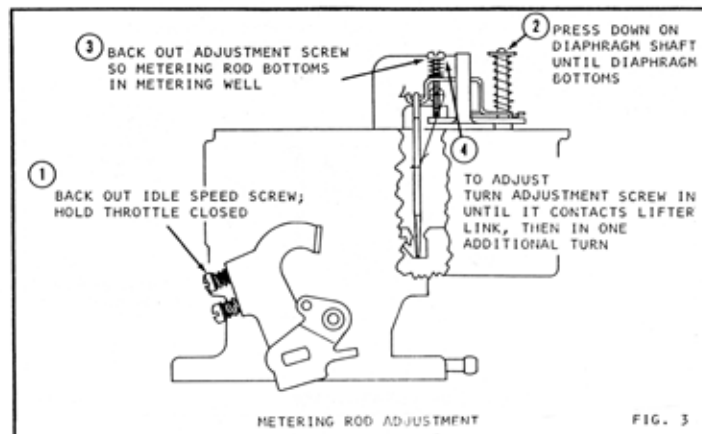
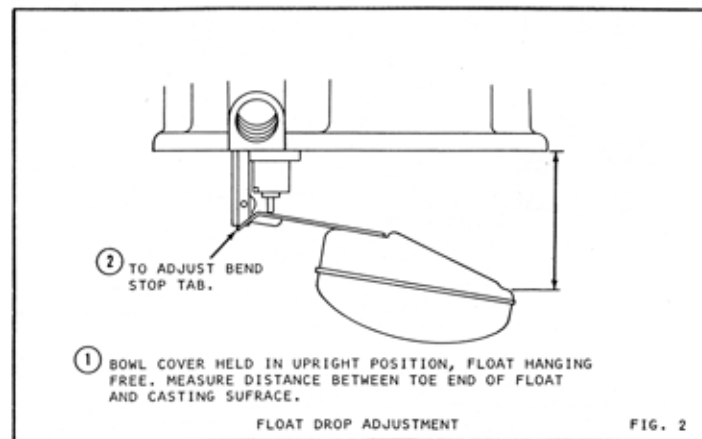
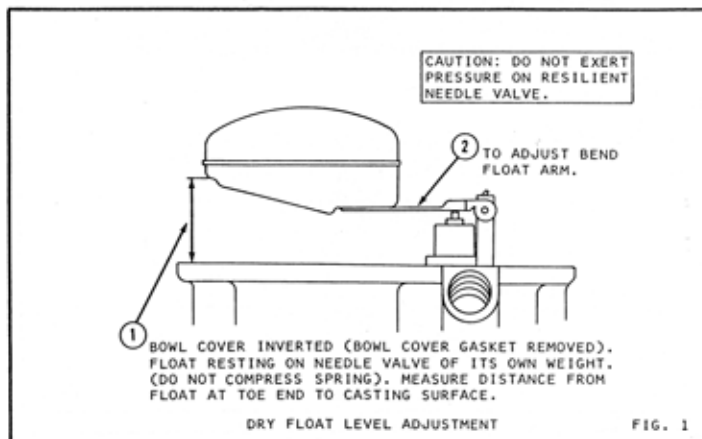
WELCH PLUG (38)-INSTALL PLUG BY SEATING IT SECURELY WITH A 1/4" FLAT DRIFT PUNCH.

FLOAT PIN (30)-INSTALL WITH SHOULDER ON PIN AWAY FROM PUMP DIAPHRAGM STEM.

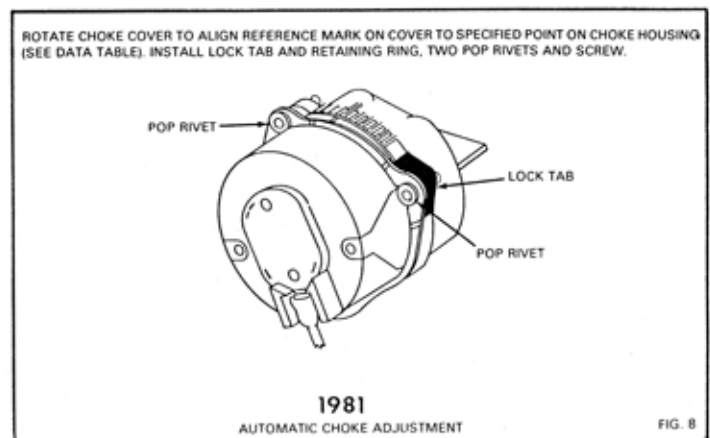
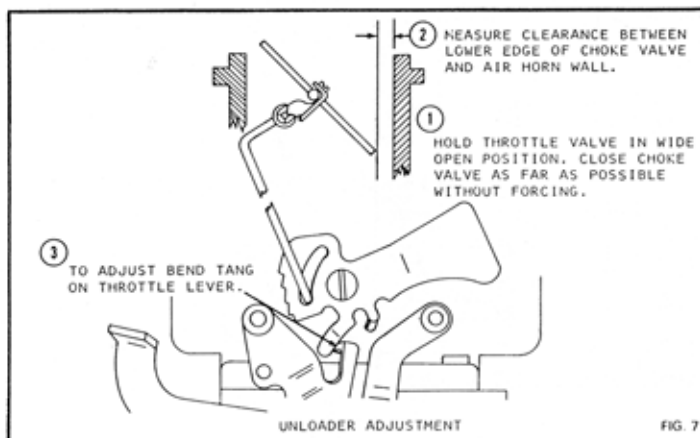
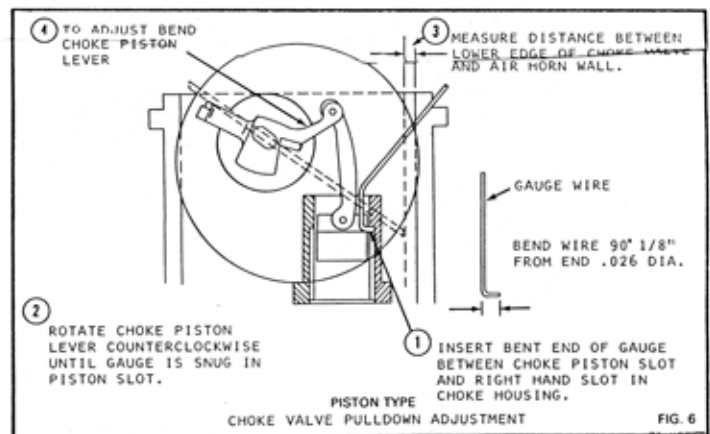
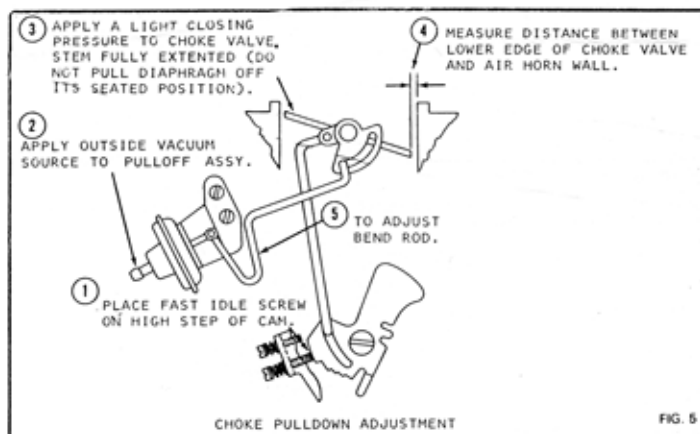
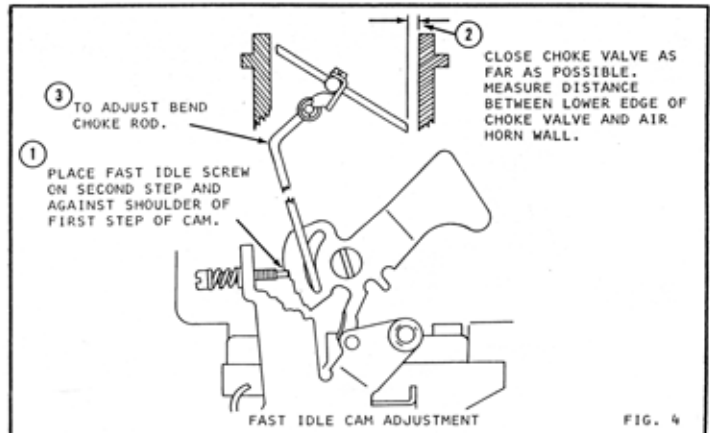
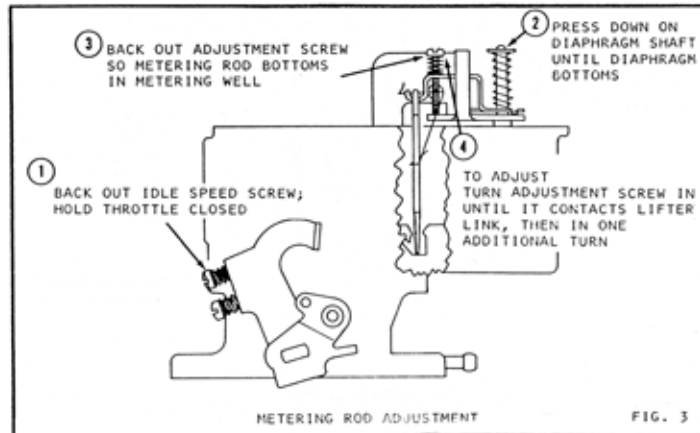
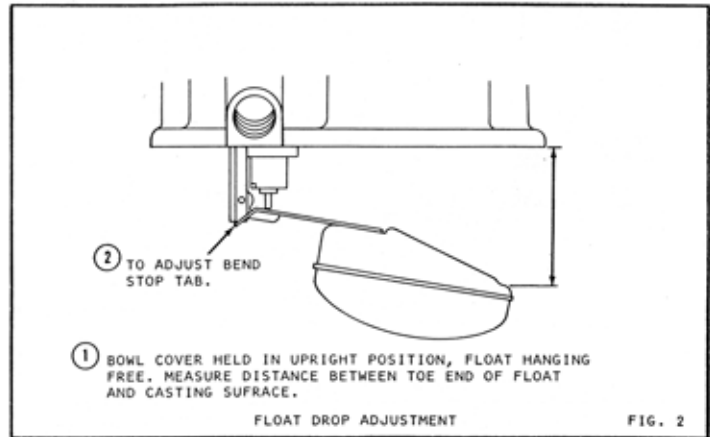
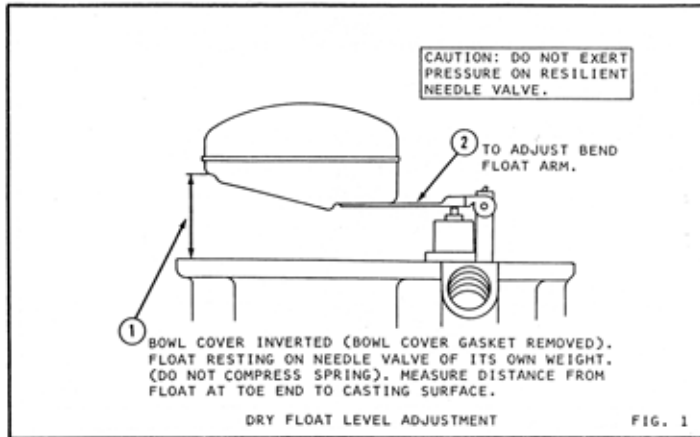
CHOKE COVER ASSY. (15)-NON ADJUSTABLE. LOCKING & INDEXING Baffle PLATE PREVENT MISADJUSTMENT.

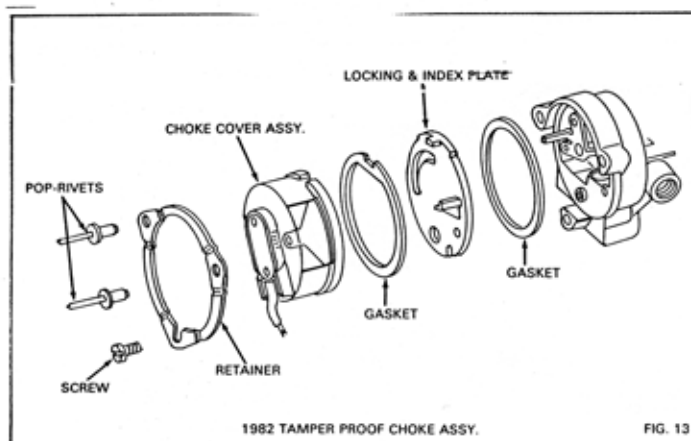
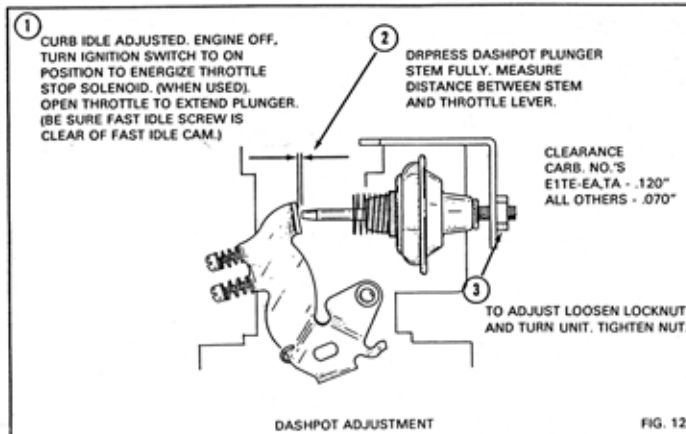
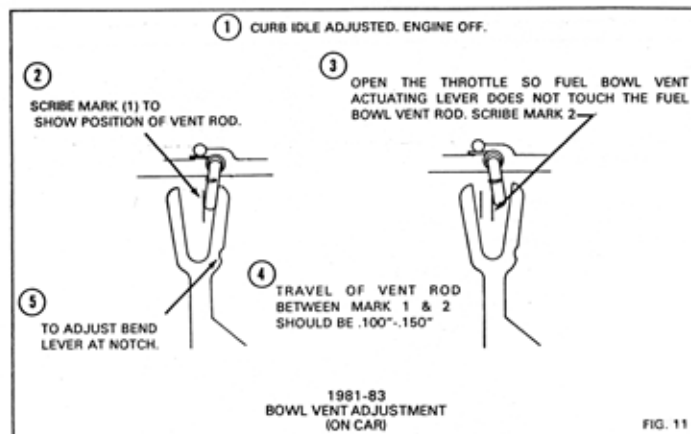
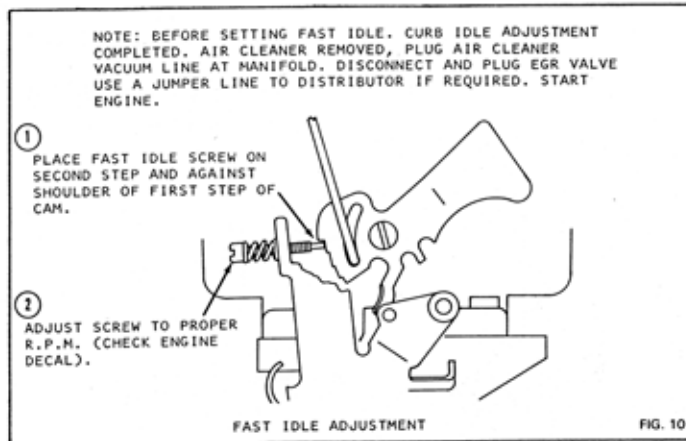
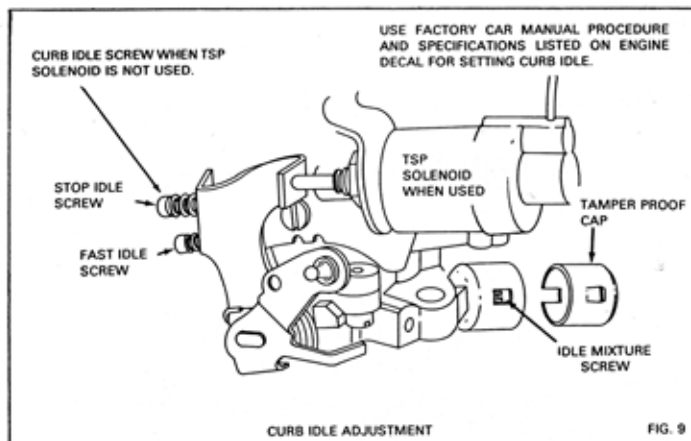
THROTTLE SENSOR SCREWS (1)-TO INSTALL FIRST PUT ONE DROP OF LOCTITE 262 OR EQUIVALENT ON THE THREADS, THEN TIGHTEN TO 11-16 INCH LBS.

ADJUSTMENTS



ADJUSTMENTS





THE INFORMATION AND SPECIFICATIONS CONTAINED HEREIN ARE BASED ON LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PUBLICATION. THE RIGHT IS RESERVED TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE.

PLEASE REFER TO THE ENGINE DECAL, SERVICE SPECIFICATIONS AND TECHNICAL BULLETINS FOR REVISIONS TO THIS INFORMATION.

ADJUSTMENT DATA TABLE

YEAR	APPLICATION	DRY FLOAT LEVEL	FLOAT DROP	FAST IDLE CAM	CHOKE VALVE PULLDOWN	UNLOADER	AUTO CHOKE
1981	FORD TRUCK 4.9L ENG.	.780"	1 19/32"	140"	.300"	.280"	2-RICH
	49S A/T	.780"	1 19/32"	140"	.300"	.280"	INDEX
	49S M/T	.780"	1 19/32"	140"	.230"	.280"	INDEX
	CARB. NO. E1TE-ARA, UA, M/T CALIF. ALL/T	.780"	1 19/32"	140"	.320"	.280"	2-RICH
1982	FORD TRUCK 4.9L ENG.	.780"	1 19/32"	140"	.320"	.330"	2-RICH
	CARB. NO. E2TE-JA, KA, CEA, E2UE-DA	.780"	1 19/32"	140"	.300"	.280"	2-RICH
	CARB. NO. E2TE-MA, ANA	.780"	1 19/32"	140"	.300"	.280"	INDEX
	CARB. NO. E2TE-YA, AAA	.780"	1 19/32"	140"	.300"	.280"	INDEX
	CARB. NO. E2TE-AMA	.780"	1 19/32"	140"	.230"	.280"	INDEX
	E2UE-EA	.780"	1 19/32"	140"	.270"	.280"	INDEX
	CARB. NO. E2TE-BVA, BZA	.780"	1 19/32"	140"	.290"	.280"	INDEX
1983	FORD TRUCK 4.9L ENG.	.780"	1 19/32"	140"	.300"	.280"	N/A
	1984 FORD TRUCK 4.9L ENG.	.780"	1 19/32"	140"	.360"	.280"	N/A
1985-86	FORD TRUCK 4.9L ENG. OVER 8500 LB. G. V. W.	.780"	1 19/32"	175"	.360"	.400"	N/A
1985-86	FORD TRUCK 4.9L ENG. UNDER 8500 LB. G. V. W.	.780"	1 19/32"	140"	.340"	.330"	N/A