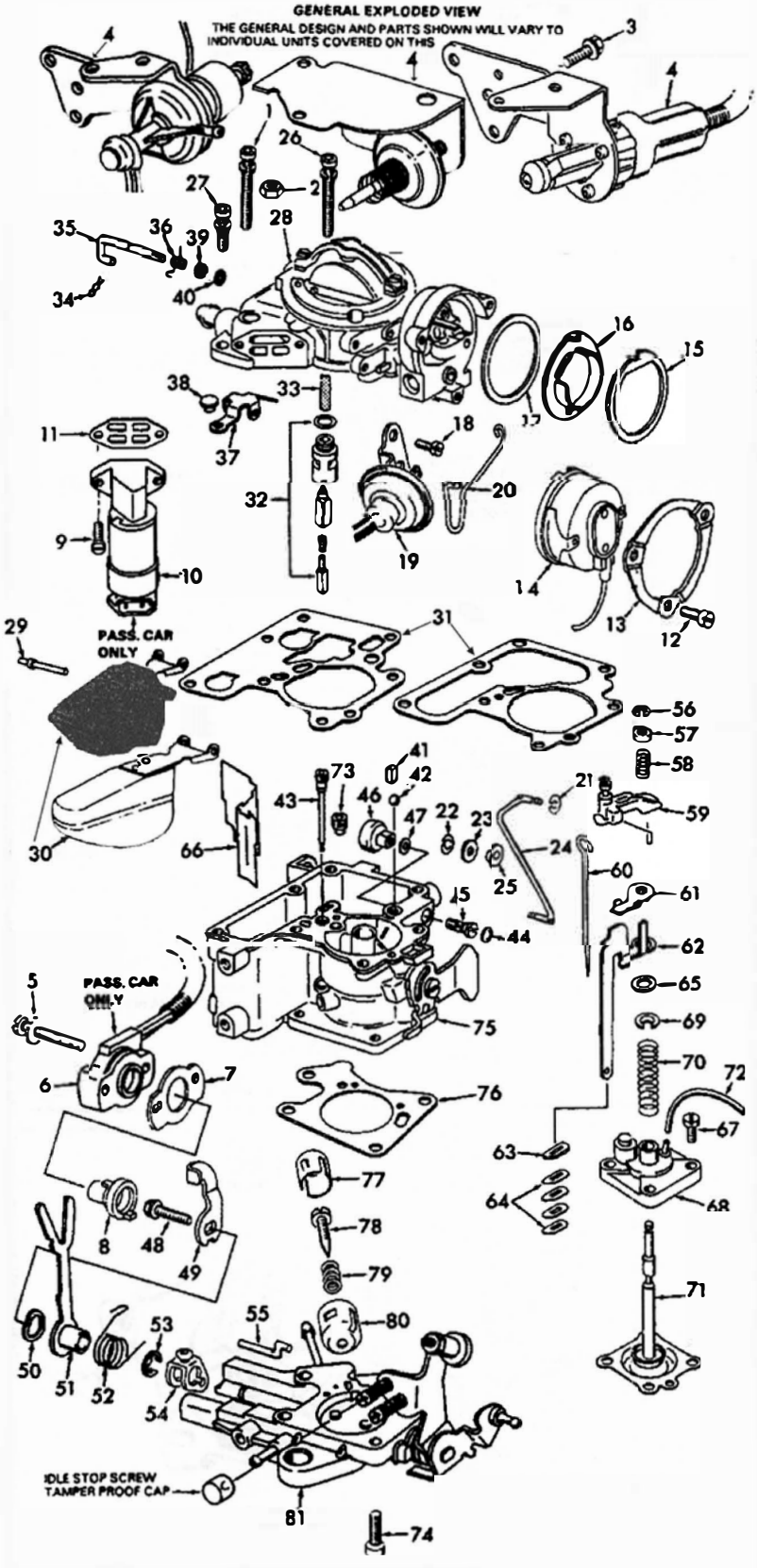
INSTRUCTION SHEET
OFF VEHICLE CARBURETOR SERVICE
CARTER MODEL - YFA

1981-86 4.9L ENGINE TRUCK
1982-84 2.0L 2.3L ENGINE TRUCK
1984-86 2.3L ENGINE PASS CAR
1985-86 2.0L ENGINE TRUCK
AMC 2.5L ENGINE

GENERAL EXPLODED VIEW



DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION.

VENT VALVE SHAFT SEAL RETAINER. CAREFULLY PRY RETAINER FROM HOUSING (WILL BE USED OVER).

PUMP BY-PASS PLUG. DRILL SMALL HOLE IN PLUG AND REMOVE PLUG WITH A 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 (80) INSERT A SCREWDRIVER IN THE SLOT CUT BY THE HACK SAW BLADE AND CAREFULLY TURN, SPREADING THE OUTHER EDGE OF THE CUP SUFFICIENTLY TO ALLOW REMOVEL OF THE CAP, ITEM (77).

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 & LOCKWASHER (1) - SOLENOID BRACKET	40. SEAL - VENT VALVE SHAFT
2. LOCKNUT - BRACKET SCREW	41. WEIGHT - DISC BALL
3. SCREW (3) - BRACKET	42. BALL - PUMP DISC. BALL
4. SOLENOID & BRACKET ASSY. - THROTTLE	43. JET - LOW SPEED
5. SCREW & LOCKWASHER (2) - THROTTLE SENSOR	44. PLUG - PUMP RELIEF SCREW
6. THROTTLE SENSOR ASSY.	45. SCREW - PUMP RELIEF CHECK
7. PLATE SENSOR	46. PUMP RELIEF CHECK ASSY.
8. DRIVE COUPLER - SENSOR	47. GASKET - PUMP RELIEF CHECK ASSY.
9. SCREW (2) - FEEDBACK SOLENOID	48. SCREW - THROTTLE SHAFT LEVER
10. FEEDBACK SOLENOID ASSY.	49. LEVER - VENT STOP
11. GASKET - FEEDBACK SOLENOID	50. SPRING WASHER - OPERATING LEVER
12. SCREW (3) - CHOKE COVER CLAMP	51. LEVER - VENT OPERATING
13. CLAMP - CHOKE COVER	52. SPRING - VENT LEVER
14. CHOKE COVER & SPRING ASSY.	53. E-CLIP - LEVER STOP
15. GASKET - CHOKE COVER	54. ARM - PUMP LINK
16. BAFFLE PLATE - COVER	55. LINK - PUMP CONNECTOR
17. GASKET - BAFFLE PLATE	56. E-CLIP - UPPER SPRING RETAINER
18. SCREW (2) - CHOKE PULL OFF	57. CUP - SPRING
19. CHOKE PULL OFF ASSY. W/HOSE	58. SPRING - UPPER PUMP
20. LINK - CHOKE PULL OFF	59. ARM & ADJ. SCREW ASSY. - METERING ROD
21. RETAINER (UPPER) - FAST IDLE ROD	60. ROD - METERING
22. RETAINER LOWER - FAST IDLE ROD	61. PLATE - ADJ. SCREW
23. WASHER - FAST IDLE ROD	62. LINK - PUMP LIFTER
24. ROD - FAST IDLE	63. RETAINTER - LIFTER LINK SEAL
25. BUSHING - FAST IDLE ROD	64. SEAL (4) - LIFTER LINK
26. SCREW & LOCKWASHER (2) - BOWL COVER (LONG)	65. WASHER - LIFTER LINK SPACER
27. SCREW & LOCKWASHER (4) - BOWL COVER	66. BAFFLE - FUEL BOWL
28. BOWL COVER ASSEMBLY	67. SCREW & LOCKWASHER (4) - PUMP
29. PIN - FLOAT	68. PUMP HOUSING ASSY.
30. FLOAT & LEVER ASSY.	69. RETAINTER - PUMP SPRING
31. GASKET - BOWL COVER	70. SPRING - PUMP RETURN
32. NEEDLE, SEAT & GASKET ASSY.	71. PUMP DIAPHRAGM ASSY.
33. SCREEN- NEEDLE SEAT	72. TUBE - PUMP PASSAGE
34. RETAINER - VENT VALVE SHAFT	73. JET - MAIN
35. SHAFT - VENT VALVE	74. SCREW (4) - THROTTLE BODY
36. SPRING - VENT VALVE	75. BOWL ASSEMBLY
37. LEVER - VENT VALVE	76. GASKET - THROTTLE BODY
38. VALVE - VENT	77. CAP - IDLE NEEDLE
39. RETAINER - VENT SHAFT SEAL	78. NEEDLE - IDLE ADJUSTING
	79. SPRING - IDLE ADJ. NEEDLE
	80. CUP - IDLE NEEDLE
	81. THROTTLE BODY ASSY.

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 (4), (6), (10), (14), (19), (30), (46).

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 (78) - TURN IN UNTIL LIGHTLY SEATED. THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY. (DO NOT INSTALL CAP (77) AT THIS TIME).

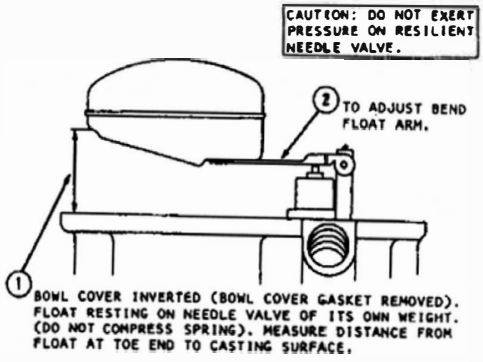
PUMP DIAPHRAGM INSTALLATION (71) - INSERT DIAPHRAGM (71) - IN HOUSING (68) AND ALIGN HOLES. INSERT SCREWS THROUGH HOUSING AND DIAPHRAGM. INSTALL SPRING (70) AND RETAINER (69). PLACE IN CARBURETOR START SCREWS THEN PUSH DOWN ON DIAPHRAGM STEM, HOLDING IN THIS POSITION, TIGHTEN SCREWS 6-11 INCH LBS.

MAIN JET (73) - 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.

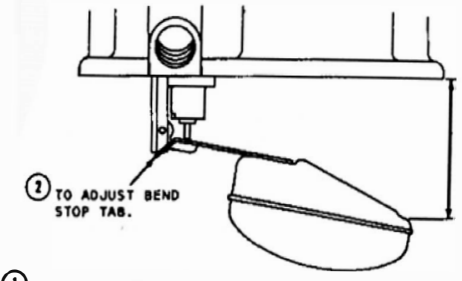
WELCH PLUG (44) - INSTALL PLUG BY SEATING IT SECURELY WITH A 1/4" FLAT D PUNCH.

FLOAT PIN (29) - INSTALL WITH SHOULDER ON PIN AWAY FROM PUMP DIAPHRAGM STEM.

CHOKE COVER ASSY. (14) - NON ADJUSTABLE LOCKING & INDEXING BAFFLE PLATE PREVENT MISADJUSTMENT.



DRY FLOAT LEVEL ADJUSTMENT FIG. 1



FLOAT DROP ADJUSTMENT FIG. 2

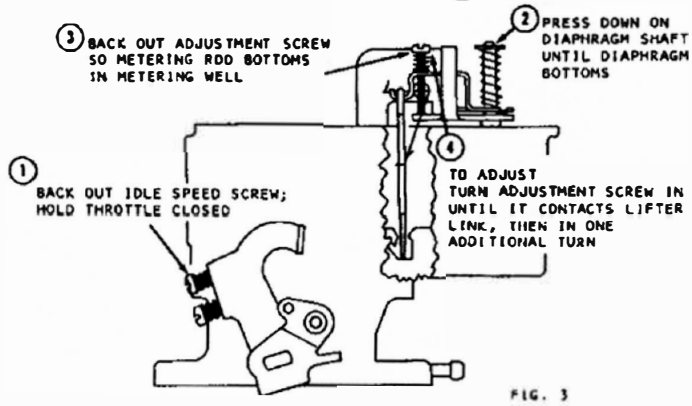
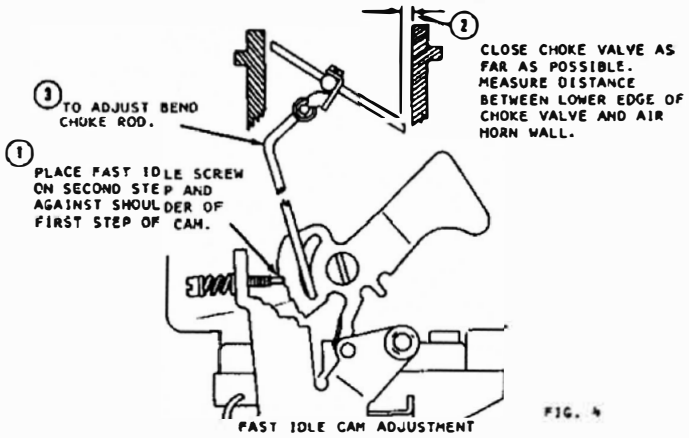


FIG. 3

METERING ROD ADJUSTMENT



FAST IDLE CAM ADJUSTMENT FIG. 4

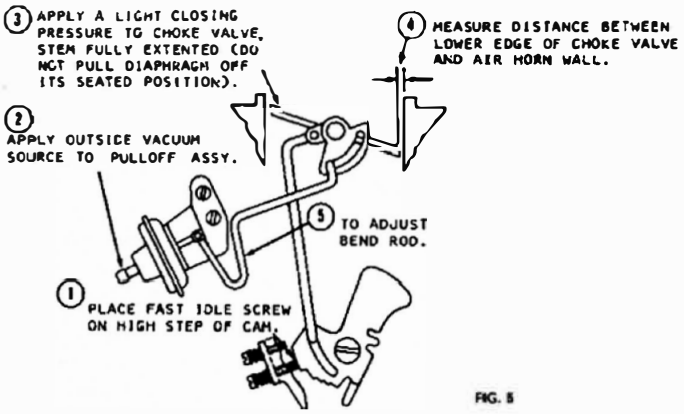
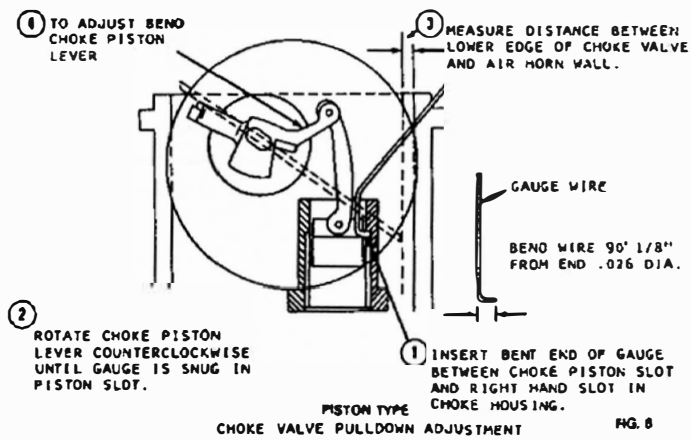


FIG. 5

CHOKE PULLDOWN ADJUSTMENT



PISTON TYPE
CHOKE VALVE PULLDOWN ADJUSTMENT FIG. 6

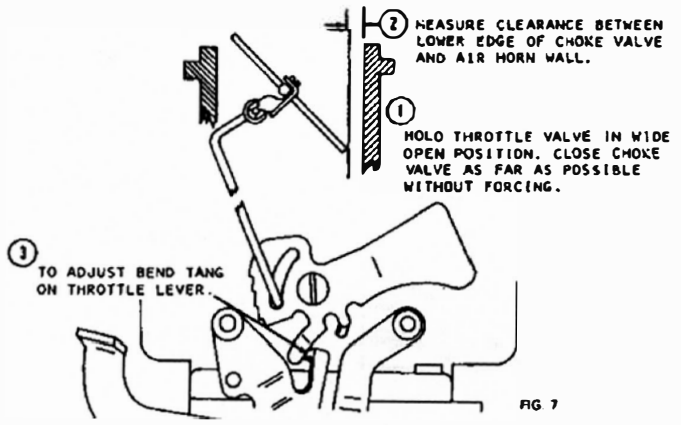


FIG 7

UNLOADER ADJUSTMENT

ROTATE CHOKE COVER TO ALIGN REFERENCE MARK ON COVER TO SPECIFIED POINT ON CHOKE HOUSING (SEE DATA TABLE). INSTALL LOCK TAB AND RETAINING RING. TWO POP RIVETS AND SCREW.

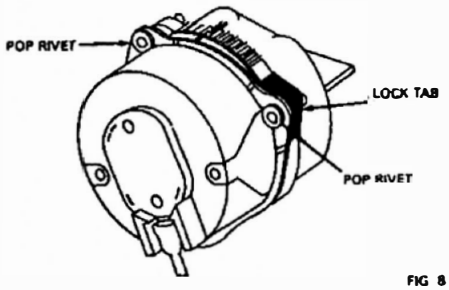
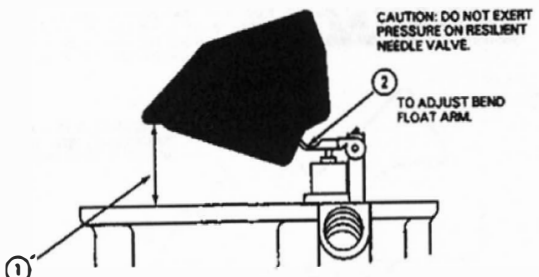


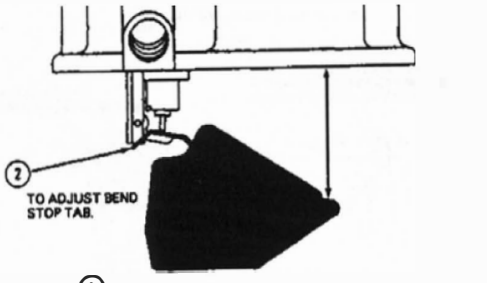
FIG 8

1981

AUTOMATIC CHOKE ADJUSTMENT

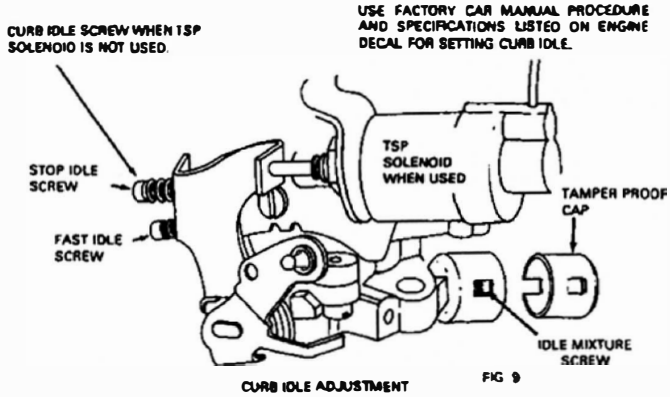


DRY FLOAT LEVEL ADJUSTMENT FIG. 1



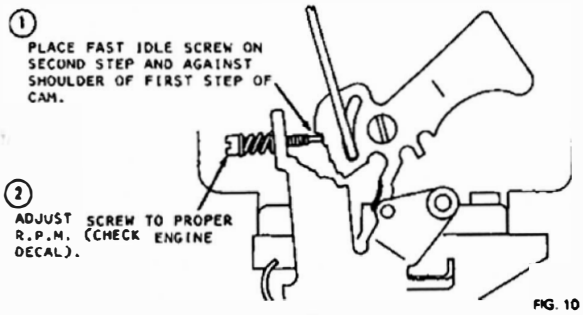
FLOAT DROP ADJUSTMENT. FIG. 2

USE FACTORY CAR MANUAL PROCEDURE AND SPECIFICATIONS LISTED ON ENGINE DECAL FOR SETTING CURB IDLE.

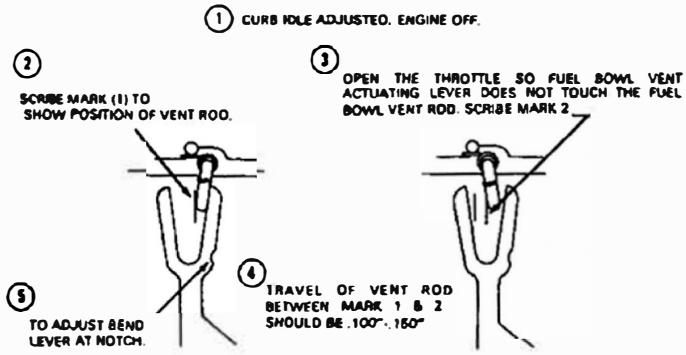


CURB IDLE ADJUSTMENT FIG 9

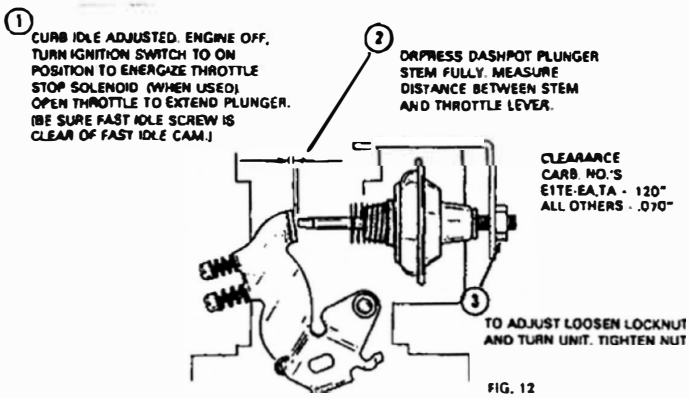
NOTE: BEFORE SETTING FAST IDLE, CURB IDLE ADJUSTMENT COMPLETED. AIR CLEANER REMOVED, PLUG AIR CLEANER VACUUM LINE AT MANIFOLD. DISCONNECT AND PLUG EGR VALVE USE A JUMPER LINE TO DISTRIBUTOR IF REQUIRED. START ENGINE.



FAST IDLE ADJUSTMENT FIG. 10

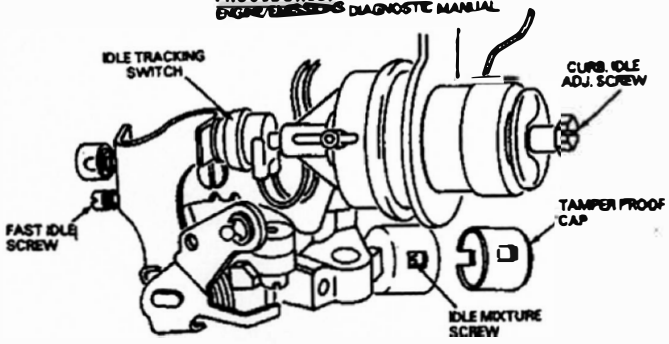


1981-83
BOWL VENT ADJUSTMENT FIG 11
ION CAR)



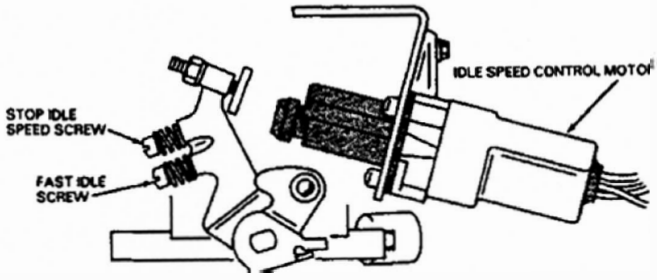
DASHPOT ADJUSTMENT FIG. 12

THE SOLEVAC UNIT USED ON FEEDBACK CARBURETORS. FOR ADJUSTMENT PROCEDURES, REFER TO ENGINE/EMISSIONS DIAGNOSTIC MANUAL



CURB IDLE ADJUSTMENT FIG. 7

THE CONTROL MOTOR UNIT ON FEEDBACK CARBURETORS. FOR ADJUSTMENT PROCEDURES, REFER TO ENGINE/ EMISSIONS DIAGNOSTIC MANUAL



PASS. CAR (1984)
CURB IDLE ADJUSTMENT FIG. 8

ADJUSTMENT DATA TABLE

10/09/09

Year	Application	Dry Float Level	Float Drop	Fast Idle Cam	Choke Valve Pulldown	Unloader	Auto Choke
1981	Ford Truck 4.9L Eng. 49S A/T	.780"	1 19/32"	.140"	.300"	.280"	2-Rich
	49S M/T	.780"	1 19/32"	.140"	.300"	.280"	Index
	Carb. No.E1TE-ARA,UA, M/T	.780"	1 19/32"	.140"	.230"	.280"	Index
	Calf. All/T	.780"	1 19/32"	.140"	.320"	.280"	2-Rich
1982	Ford Truck 4.9L Eng. Carb. No. E1TE-JA, KA, CEA, E2UE-DA	.780"	1 19/32"	.140"	.320"	.330"	2-Rich
	Carb. No. E2TE-MA, ANA	.780"	1 19/32"	.140"	.300"	.280"	2-Rich
	Carb. No. E2TE-YA, AAA	.780"	1 19/32"	.140"	.300"	.280"	Index
	Carb. No. E2TE-AMA E2UE-EA	.780"	1 19/32"	.140"	.230"	.280"	Index
	Carb. No. E2TE-BVA, BZA	.780"	1 19/32"	.140"	.270"	.280"	Index
	Carb. No. E2TE-ZA	.880"		.140"	.290"	.280"	Index
1982-84	Ranger Truck 2.0L, 2.3L, Eng	.650"	1 19/32"	.140"	.320"	.270"	---
1983	Ford Truck 4.9L Eng.	.780"	1 19/32"	.140"	.300"	.280"	---
1983	Pass. Car 2.3L Eng. 49S	.650"	1 19/32"	.140"	.240"	.270"	---
	Alt. Calif.	.650"	1 19/32"	.140"	.260"	.270"	---
1984	Ford Truck 4.9L Eng.	.780"	1 19/32"	.140"	.360"	.280"	---
1984	Pass. Car 2.3L Eng. 50S	.650"	1 19/32"	.140"	.260"	.270"	---
1984	Pass. Car 2.3L Eng. CAN M/T	.650"	1 19/32"	.140"	.240"	.270"	---
	A/T	.650"	1 19/32"	.140"	.260"	.270"	---
1985-86	Ranger Truck 2.0L, Eng	.650"	1 19/32"	.140"	.320"	.270"	---
1985-86	Pass. Car 2.3L Eng.	.650"	1 19/32"	.140"	.260"	.270"	---
1985	Pass. Car 2.3L Eng. CAN	.650"	1 19/32"	.140"	.240"	.270"	---
1986	Pass. Car 2.3L Eng. CAN	.650"	1 19/32"	.140"	.260"	.270"	---
1985-86	Ford Truck 4.9L Eng. Over 8500 LB.G.V.W	.780"	1 19/32"	.175"	.360"	.400"	---
1985-86	Ford Truck 4.9L Eng. Under 8500 LB.G.V.W	.780"	1 19/32"	.140"	.340"	.330"	---

The information and specifications contained herein are the latest product information available. You may need to reference engine specifications, service specifications, and manufacture technical bulletins for revisions to this information.