

INSTRUCTION SHEET

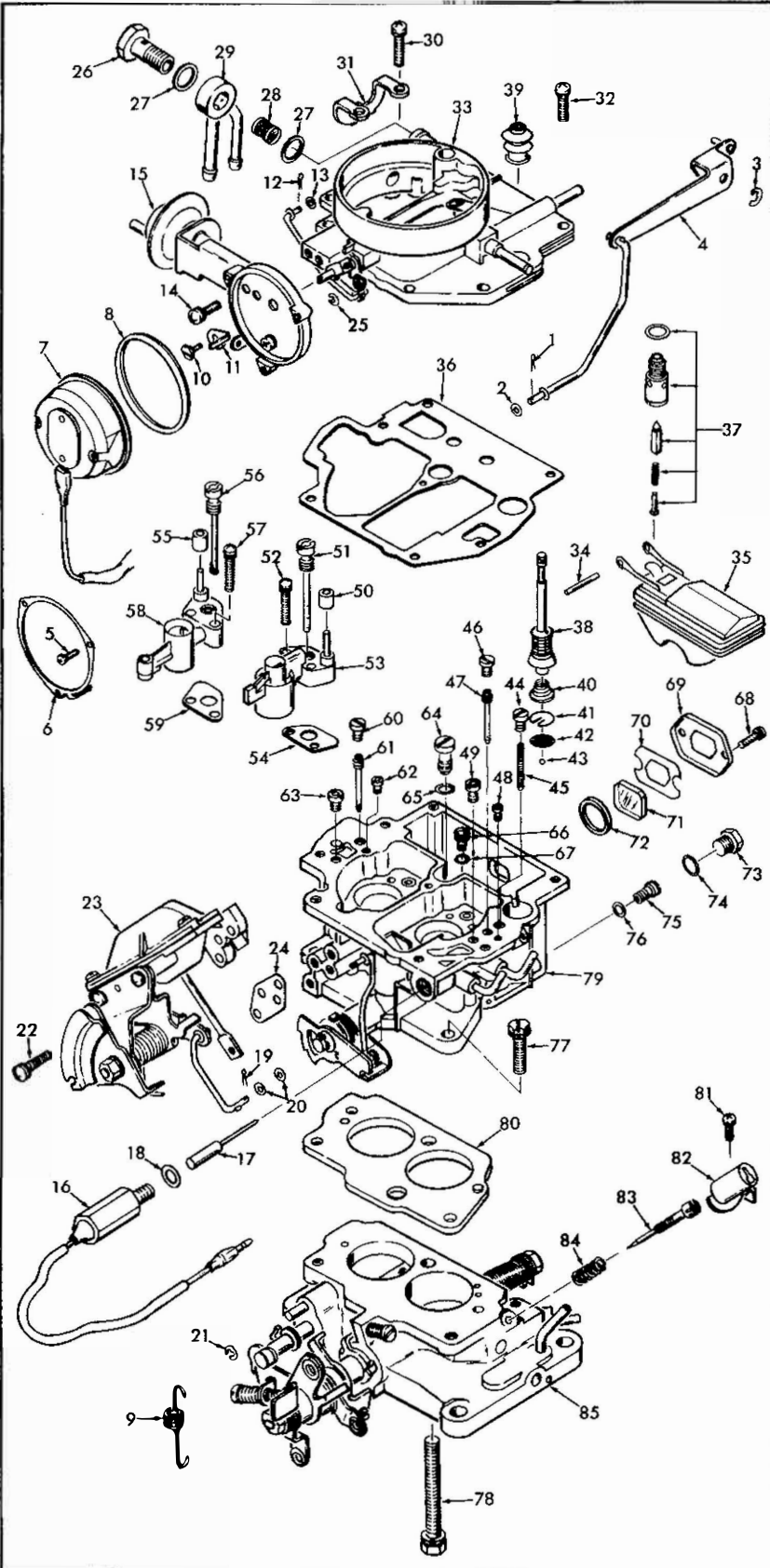
OFF VEHICLE CARBURETOR SERVICE

NIKKI - 2 BORE (MAZDA)

50-597-2

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. JETS AND VENTURI'S ARE COLOR CODED. PRIMARY JETS ARE BRASS COLOR AND SECONDARY JETS ARE SILVER COLOR. (BE SAFE, RECORD SIZES OF JETS BELOW.) DISASSEMBLY OF SECONDARY DIAPHRAGM ASSY. (23) IS NOT NECESSARY UNLESS DIAPHRAGM IS BEING REPLACED. IDLE ADJUSTING NEEDLE (83) BEFORE REMOVING - TURN IN COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT NEEDLE. RECORD FOR REASSEMBLY.

NOMENCLATURE

REF. NO.	REF. NO.
1. COTTER PIN - PUMP ROD	44. PLUG - PUMP DISC PASSAGE
2. WASHER - PUMP ROD	45. BALL & SPRING ASSY. - PUMP DISC
3. RETAINER - PUMP LEVER	46. PLUG - SLOW JET
4. PUMP LEVER & ROD ASSY.	47. JET - SLOW
5. SCREW & LKWSHR. (3) - RETAINER	48. JET - PRI. SLOW AIR BLEED
6. RETAINER - CHOKE COVER	49. JET - SEC. SLOW AIR BLEED
7. CHOKE COVER ASSY.	50. SEAL - PRI. VENTURI TUBE
8. GASKET - CHOKE COVER	51. JET - PRI. MAIN AIR BLEED
9. SPRING - SEC. RETURN	52. SCREW & LKWSHR. (2) - PRI. VENTURI ASSY.
10. SCREW - CHOKE COIL LEVER	53. VENTURI ASSY. - PRIMARY
11. LEVER - CHOKE COIL	54. GASKET - PRI. VENTURI
12. COTTER PIN - CHOKE PULL OFF ROD	55. SEAL - SEC. VENTURI TUBE
13. WASHER - CHOKE PULL OFF ROD	56. JET - SEC. MAIN AIR BLEED
14. SCREW & LKWSHR. (2) - CHOKE HOUSING & CHOKE PULL OFF	57. SCREW & LKWSHR. (2) - SEC. VENTURI ASSY.
15. CHOKE PULL OFF & HSG. ASSY.	58. VENTURI ASSY. - SECONDARY
16. SOLENOID - IDLE SHUT OFF	59. GASKET - SEC. VENTURI
17. PLUNGER - SOLENOID	60. PLUG - STEP JET
18. GASKET - SOLENOID	61. JET - STEP
19. COTTER PIN - THROTTLE LINK	62. JET - PRI. STEP AIR BLEED
20. WASHER (2) - THROTTLE LINK	63. JET - SEC. STEP AIR BLEED
21. RETAINER - SEC. DIAPHRAGM ROD	64. POWER VALVE ASSY.
22. SCREW & LKWSHR. (3) - SEC. DIAPHRAGM ASSY.	65. GASKET - POWER VALVE
23. SECONDARY DIAPHRAGM ASSY.	66. JET - SECONDARY MAIN
24. GASKET - SEC. DIAPHRAGM ASSY.	67. GASKET - SEC. MAIN JET
25. RETAINER - FAST IDLE ROD	68. SCREW (2) - COVER
26. BOLT - FUEL INLET	69. COVER - LEVEL GAUGE
27. GASKET (2) - FUEL INLET BOLT	70. GASKET - COVER
28. SCREEN - FUEL INLET	71. WINDOW - LEVEL GAUGE
29. FITTING - FUEL INLET	72. SEAL - WINDOW
30. SCREW & LKWSHR. (2) - FITTING LOCK	73. PLUG - PRI. JET
31. LOCK - FUEL FITTING	74. GASKET - PLUG
32. SCREW & LKWSHR. (5) - BOWL COVER	75. JET - PRI. MAIN
33. BOWL COVER ASSY.	76. GASKET - PRI. MAIN JET
34. PIN - FLOAT	77. SCREW & LKWSHR. (2) - THROTTLE BODY
35. FLOAT & LEVER ASSY.	78. SCREW & LKWSHR. (1) - THROTTLE BODY
36. GASKET - BOWL COVER	79. BOWL ASSY.
37. NEEDLE, SEAT & GASKET ASSY.	80. GASKET - THROTTLE BODY
38. PUMP ASSY.	81. SCREW & LKWSHR. - COVER
39. BOOT - PUMP	82. COVER - IDLE ADJ. NEEDLE
40. SPRING - PUMP RETURN	83. NEEDLE - IDLE ADJUSTING
41. RETAINER - SCREEN	84. SPRING - IDLE ADJ. NEEDLE
42. SCREEN - PUMP CHECK	85. THROTTLE BODY ASSY.
43. BALL - PUMP DISC CHECK	

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. (CAUTION: DO NOT PROLONG SOAKING OF PARTS CONTAINING PLASTIC MATERIALS THAT ARE NOT REMOVABLE.) MAKE CERTAIN THE THROTTLE BORES ARE FREE OF ALL CARBON DEPOSITS. WASH OFF IN SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. DO NOT SOAK DIAPHRAGM ASSEMBLIES. FLOAT, SOLENOIDS OR PARTS CONTAINING RUBBER MATERIALS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND ADJUSTMENTS.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (83) — TURN NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

CHOKE COVER ASSY. (7) — WHEN INSTALLING BE SURE HOOK ON COIL SPRING IS IN CONTACT WITH ARM OF CHOKE SHAFT. ROTATE CHOKE COVER AGAINST SPRING TENSION. ALIGN MARK ON COVER WITH INDEX (CENTER) MARK ON HOUSING.

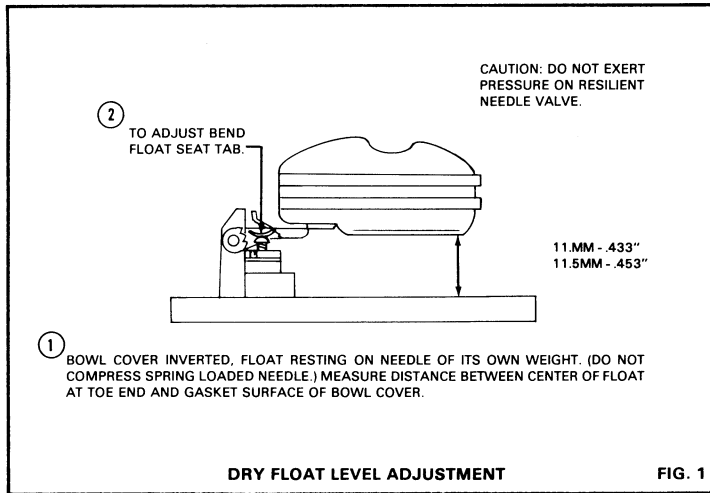
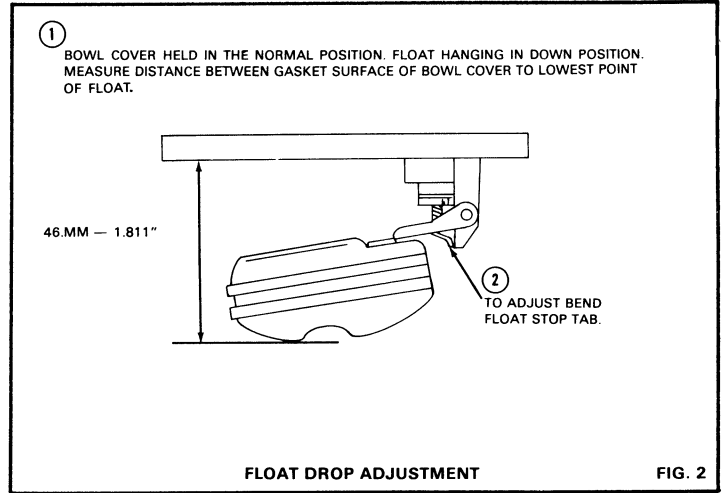
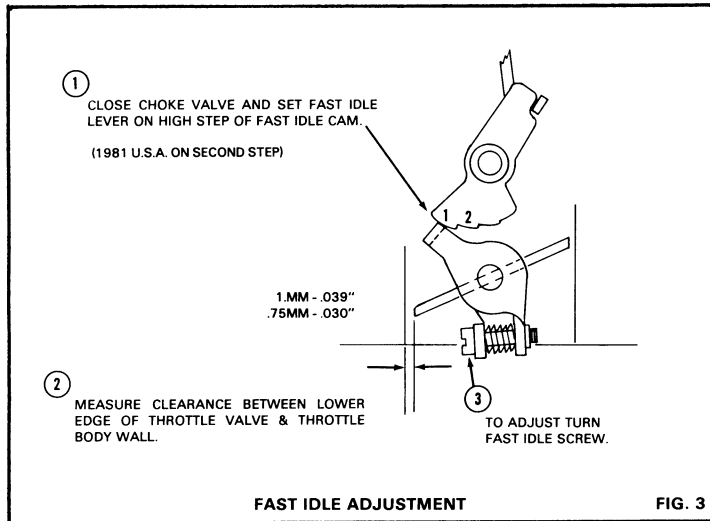
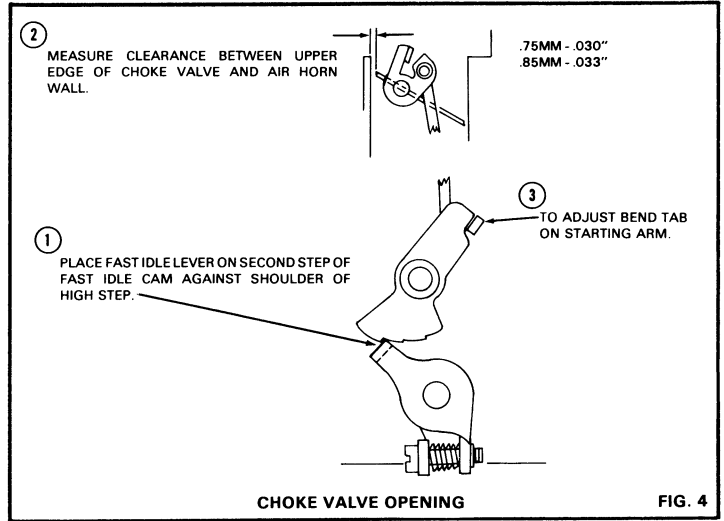
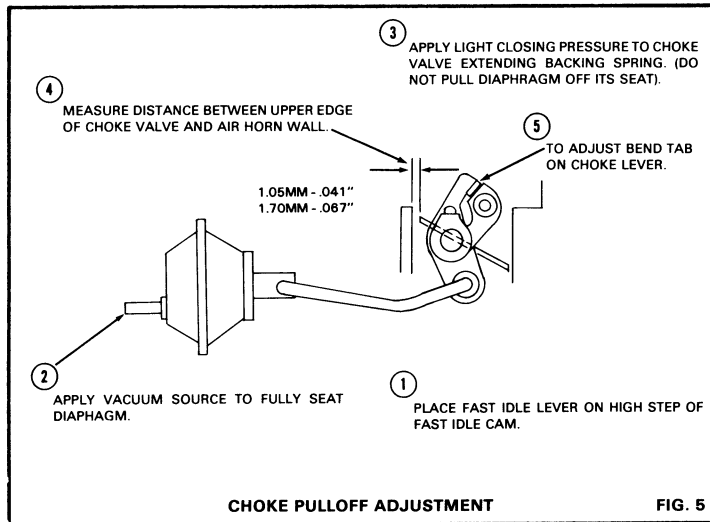
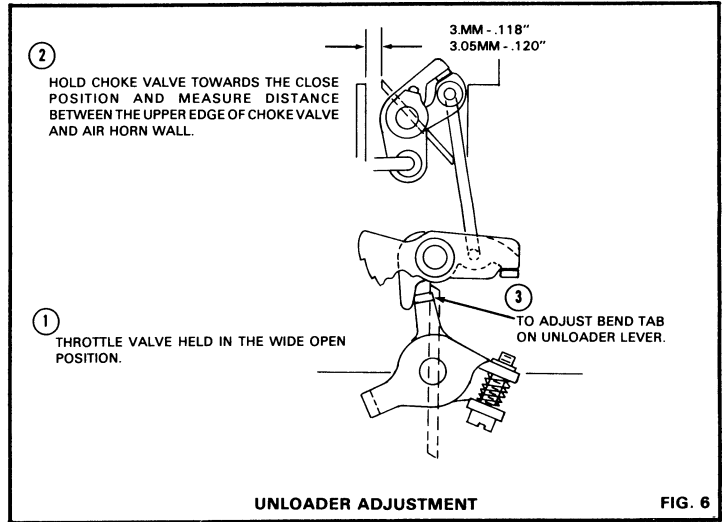
ON CAR IDLE SPEED AND MIXTURE ADJUSTMENT, FAST IDLE CHECK. FOLLOW CAR MANUFACTURE SERVICE MANUAL PROCEDURE.

IDLE SPEED 650±50 R. P. M. IN "NEUTRAL" M/T
650±50 R. P. M. IN "DRIVE" A/T
FAST IDLE 3000 — 4000 R. P. M.

TAMPER RESISTANT MODELS

MODELS WITH TAMPER RESISTANT CHOKE COVER. ITEMS 5 THRU 15 CANNOT BE REMOVED UNTIL BOWL COVER ASSEMBLY IS REMOVED TO GAIN ACCESS TO THE 2 SCREWS HOLDING TAMPER RESISTANT GUARD IN PLACE. MARK THE POSITION OF THE CHOKE COVER INDEX MARK ON THE CHOKE HOUSING FOR PROPER REASSEMBLY. (MAKE CHOKE PULLDOWN ADJUSTMENT BEFORE INSTALLING GUARD ON REASSEMBLY.) IF NECESSARY TO REMOVE IDLE ADJUSTING NEEDLE (83) SAW IDLE LIMITER SHELL OFF, 12MM (.470") FROM TOP EDGE OF SHELL.

ADJUSTMENTS



ADJUSTMENT DATA TABLE

Year	Application	Float Level Adj.	Float Drop Adj	Choke Diaph Adj.	Fast Idle Cam (Bench)	Choke Valve Clearance Adj.	Choke Unloader Adj.	Sec. Throttle Valve Opening Adj.	Idle Speed R.P.M. Slow
1986	B2000 Pick-Up	11.5 - 12.5	46 - 47	1.68 - 2.14	.75 - 1.13	.60 - 1.0	2.74 - 3.6	7.35 - 8.25	800 ₂
1985	626 -- 2.0L Eng	13.5	49	1.7 - 2.2	.70 - 1.1	.60 - 1.0	2.85 - 3.65	6.2 - 7.2	3
1984	626 -- 2.0L Eng	13.5	46	1.7 - 2.2	.70 - 1.1	.60 - 1.0	2.85 - 3.65	6.2 - 7.2	3
1983	626 -- 2.0L Eng	10.0	46	1.7 - 2.2	.70 - 1.1	.60 - 1.0	2.85 - 3.65	6.2 - 7.2	3
1982	626 -- 2.0L Eng	11.5	46	1.45 - 1.95	.45 - .75	.65 - 1.05	2.65 - 3.45	6.2 - 7.2	650 ₂
1981	626 -- 2.0L Eng	11.5	46	1.45 - 1.95	.45 - .75	.65 - 1.05	2.65 - 3.45	6.2 - 7.2	650 ₂
1980	626 -- 2.0L Eng	11.0	46	1.6 - 2.0	.50 - .66	.60 - .95	2.6 - 3.4	6.75	650
1979	626 -- 2.0L Eng	11.0	46	.90 - 1.1	.90 - 1.1	.60 - .95	2.6 - 3.4	6.75	650

Note: Specs. in millimeters Sec. throttle valve opening, measure between primary throttle valve & wall of throttle bore when secondary valve starts to open. 2 Automatic Transmission set 700 R.P.M. in "D" range, Manual Transmission set 750 R.P.M.