

INSTRUCTION SHEET

OFF VEHICLE CARBURETOR SERVICE

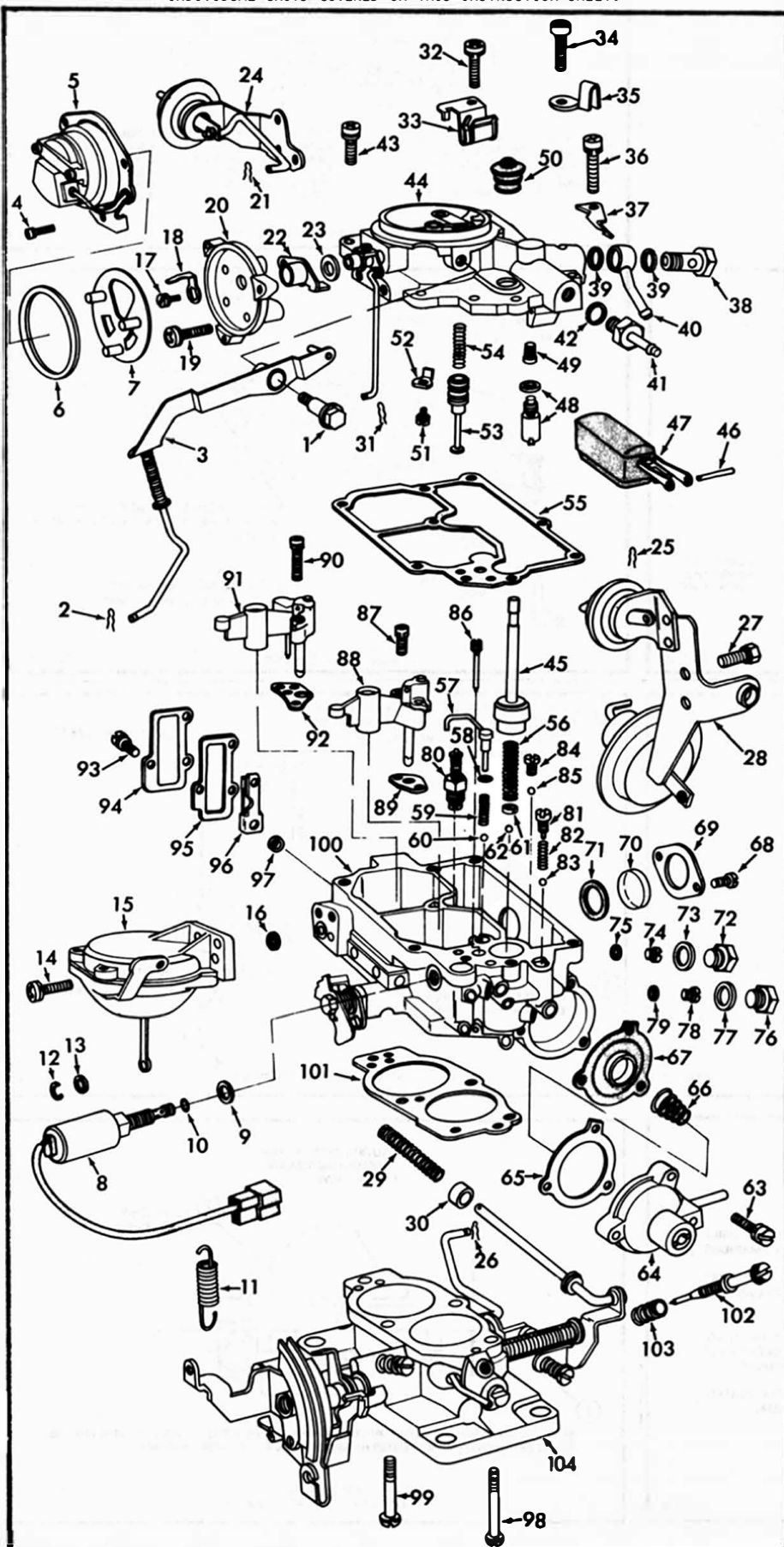
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AISAN 2 BARREL

TOYOTA 2TC,3TC,1A-C,2A,3A,ENGINES

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. NOTE: DISASSEMBLY OF SECONDARY VACUUM UNIT (15) IS NOT NECESSARY UNLESS DIAPHRAGM IS BEING REPLACED. (1981 SEE FIG.6)

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW- PUMP LEVER.	52. RETAINER- PISTON.
2. RETAINER- PUMP ROD.	53. PISTON- POWER VALVE.
3. LEVER & CONNECTING ROD ASSY.-PUMP.	54. SPRING- POWER PISTON.
4. SCREW & LOCKWASHER (3)- RETAINER CHOKE COVER.	55. GASKET- BOWL COVER.
5. CHOKE COVER & RETAINER ASSY.	56. SPRING PUMP RETURN.
6. GASKET- CHOKE COVER.	57. JET- PUMP.
7. PLATE- CHOKE BAFFLE.	58. O-RING- PUMP JET.
8. SOLENOID- IDLE CUT OFF.	59. SPRING- PUMP DISC. BALL
9. GASKET- SOLENOID.	60. BALL- PUMP DISC. CHECK (LARGE).
10. O-RING- SOLENOID.	61. RETAINER- INTAKE CHECK BALL.
11. SPRING- SEC. RETURN.	62. BALL- INTAKE CHECK (SMALL).
12. RETAINER- SEC. DIAPHRAGM LINK.	63. SCREW & LOCKWASHER (3)- AUX. PUMP COVER.
13. WASHER- SEC. DIAPHRAGM LINK.	64. COVER- AUX. PUMP DIAPHRAGM.
14. SCREW & WASHERS (2)- SEC. DIAPHRAGM.	65. GASKET- AUX. PUMP COVER.
15. SECONDARY DIAPHRAGM ASSY.	66. SPRING- AUX. PUMP DIAPHRAGM.
16. GASKET- SEC. DIAPHRAGM ASSY.	67. DIAPHRAGM- AUX. PUMP.
17. SCREW & WASHER- CHOKE SHAFT ARM.	68. SCREW (2)- RETAINER SIGHT GLASS.
18. ARM- CHOKE SHAFT.	69. RETAINER- SIGHT GLASS.
19. SCREW & LOCKWASHER (3)- CHOKE HOUSING.	70. SIGHT GLASS.
20. HOUSING- CHOKE.	71. O-RING- SIGHT GLASS SEAL.
21. RETAINER- CHOKE PULL OFF LINK.	72. PLUG- SEC. MAIN JET.
22. LEVER- CHOKE PULL OFF LINK.	73. GASKET- PLUG.
23. WASHER- LEVER SPACER.	74. JET- SEC. MAIN (CHROME).
24. CHOKE PULL OFF ASSY.	75. GASKET- SEC. MAIN JET.
25. RETAINER- AUX. PULL OFF LINK.	76. PLUG- PRI. MAIN JET.
26. RETAINER- THROTTLE POSITIONER LINK.	77. GASKET- PLUG.
27. SCREW & LOCKWASHER (2)- BRACKET.	78. JET- PRI. MAIN (BRASS).
28. AUX. PULL OFF & THROTTLE POSITIONER ASSY.	79. GASKET- PRI. MAIN JET.
29. SPRING- THROTTLE RETURN.	80. POWER VALVE ASSY.
30. CUP RETAINER- SPRING.	81. PLUG- AUX. PUMP CHECK BALL SPRING.
31. RETAINER- FAST IDLE ROD	82. SPRING- AUX. PUMP CHECK BALL.
32. SCREW & LOCKWASHER- WIRE CLAMP.	83. BALL- AUX. PUMP DISC. CHECK.
33. WIRE CLAMP.	84. PLUG- AUX. PUMP CHECK BALL.
34. SCREW & LOCKWASHER- ROD GUIDE.	85. BALL- AUX. PUMP INTAKE CHECK.
35. GUIDE- AUX. PULL OFF LINK.	86. JET- IDLE.
36. SCREW & LOCKWASHER- FUEL INLET FITTING LOCK.	87. SCREW & LOCKWASHER (2)- PRI. VENTURI.
37. LOCK- FUEL INLET FITTING.	88. PRIMARY VENTURI ASSY.
38. BOLT- FUEL INLET FITTING.	89. GASKET- PRIMARY VENTURI.
39. GASKET (2)- FUEL INLET FITTING.	90. SCREW & LOCKWASHER (2)- SEC. VENTURI.
40. FITTING- FUEL INLET.	91. SECONDARY VENTURI ASSY.
41. FITTING- FUEL BY PASS.	92. GASKET- SECONDARY VENTURI.
42. GASKET- BY PASS FITTING.	93. SCREW & LOCKWASHER (3)- COVER.
43. SCREW & LOCKWASHER (4)- BOWL COVER.	94. COVER- IDLE COMPENSATOR.
44. BOWL COVER ASSY.	95. GASKET COVER.
45. PUMP PLUNGER ASSY.	96. VALVE- IDLE COMPENSATOR.
46. PIN- FLOAT.	97. GASKET- IDLE COMPENSATOR VALVE.
47. FLOAT ASSY.	98. SCREW & LOCKWASHER (2)- THROTTLE BODY.
48. NEEDLE, SEAT & GASKET ASSY.	99. SCREW & LOCKWASHER (2)- THROTTLE BODY (HOLLOW).
49. SCREEN- FUEL FILTER.	100. FLOAT BOWL ASSY.
50. BOOT- PUMP.	101. GASKET- THROTTLE BODY.
51. SCREW & LOCKWASHER- PISTON RETAINER.	102. NEEDLE- IDLE ADJ.
	103. SPRING- IDLE ADJ. NEEDLE.
	104. THROTTLE BODY ASSY.

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. USE A CARBURETOR CLEANING SOLVENT. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. 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. CAUTION: DO NOT SOAK RUBBER PARTS IN CLEANING SOLVENT, BEING VERY CAREFUL OF DIAPHRAGM ASSY'S, (15),(24),(28), ELECTRIC CHOKE COVER (5), SOLENOID (8), FLOAT (47), AND IDLE COMPENSATOR VALVE (96) WHICH HAVE RUBBER COMPONENTS.

REASSEMBLY

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

ADJUSTMENTS

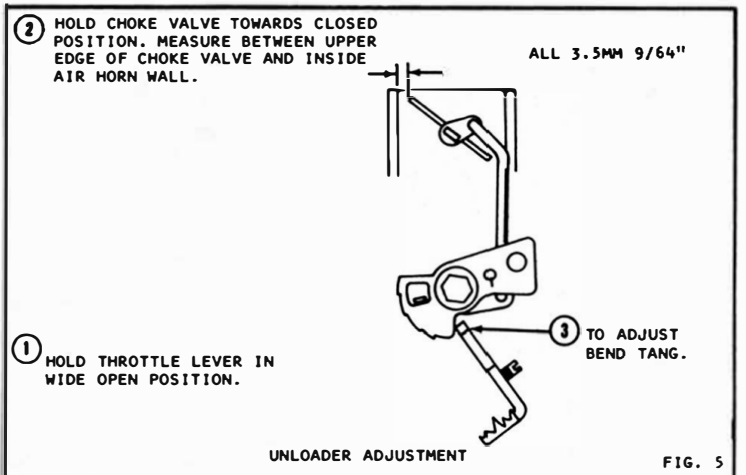
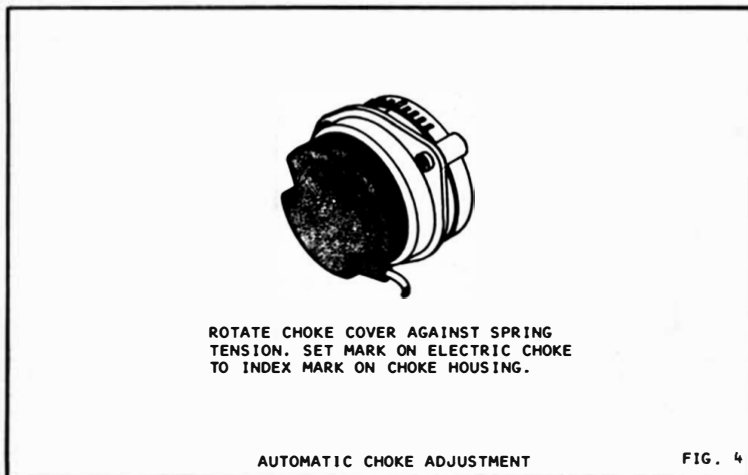
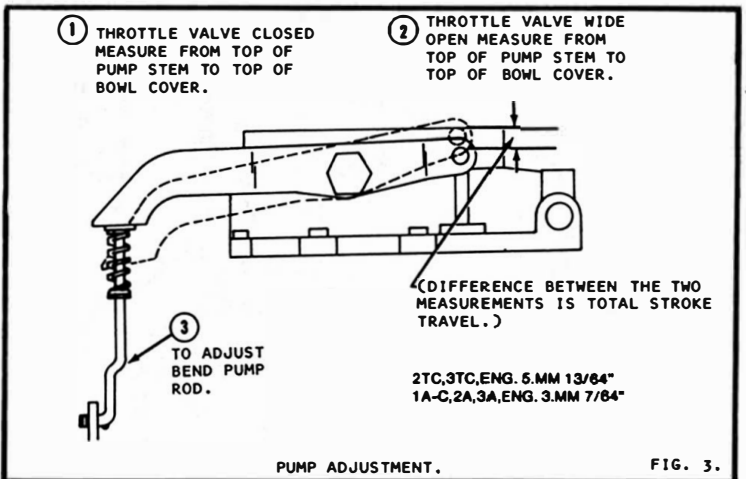
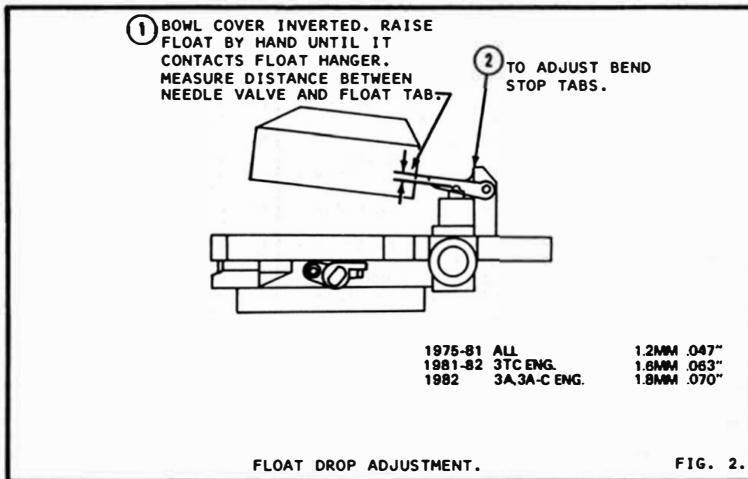
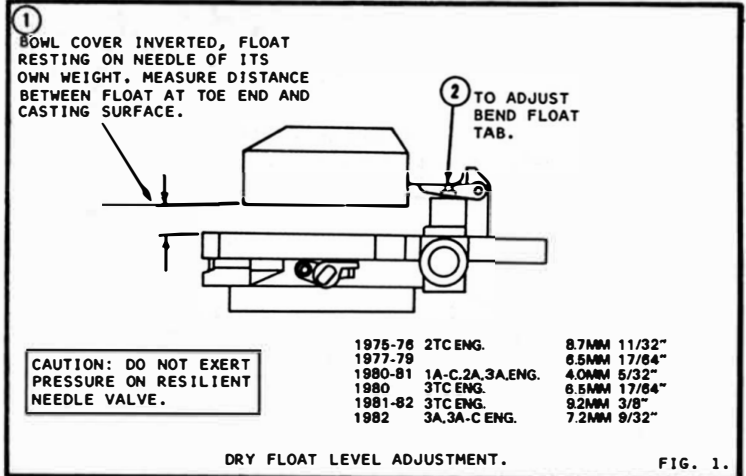
SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (102)- TURN NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT 2 1/4-2 3/4 TURNS.

PUMP PLUNGER (45)- REMOVE PAPER SLEEVE FROM LEATHER CUP. FLEX LEATHER OUTWARD SLIGHTLY, SOAK CUP IN LIGHT OIL A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

SIGHT GLASS (70)- INSTALL WITH DOT TO THE INSIDE OF FUEL BOWL.

CHOKE COIL COVER (5)- WHEN INSTALLING BE SURE HOOK ON COIL SPRING IS AGAINST ARM OF CHOKE SHAFT. ROTATE CHOKE COVER AGAINST SPRING TENSION. ALIGN MARK ON COVER WITH INDEX MARK ON HOUSING.



1981-82 INFORMATION

TO REMOVE TAMPER RESISTANT SHIELD FROM CHOKE COVER, CAREFULLY DRILL RIVET HEADS OFF. REMOVE CHOKE COMPONENTS THEN KNOCK OUT REMAINDER OF RIVETS.

WHEN INSTALLING CHOKE COVER BE SURE HOOK ON COIL SPRING IS AGAINST ARM OF CHOKE SHAFT. ALIGN NOTCH IN COVER WITH RAISED BOSS IN CASTING. (CHOKE COVER IS NON ADJUSTABLE) INSTALL NEW POP RIVETS.

TO REMOVE IDLE MIXTURE SCREW PLUG, CENTER PUNCH CENTER OF PLUG. CAREFULLY DRILL A .255" HOLE IN PLUG. (NOTE THERE IS ONLY .040" CLEARANCE BETWEEN PLUG AND MIXTURE SCREW.) PRY REMAINDER OF PLUG FROM HOLE.

IDLE ADJUSTING NEEDLE INSTALLATION. TURN NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT 3 TURNS. FINAL ADJUSTMENT SEE CAR SERVICE MANUAL.

