

INSTRUCTION SHEET

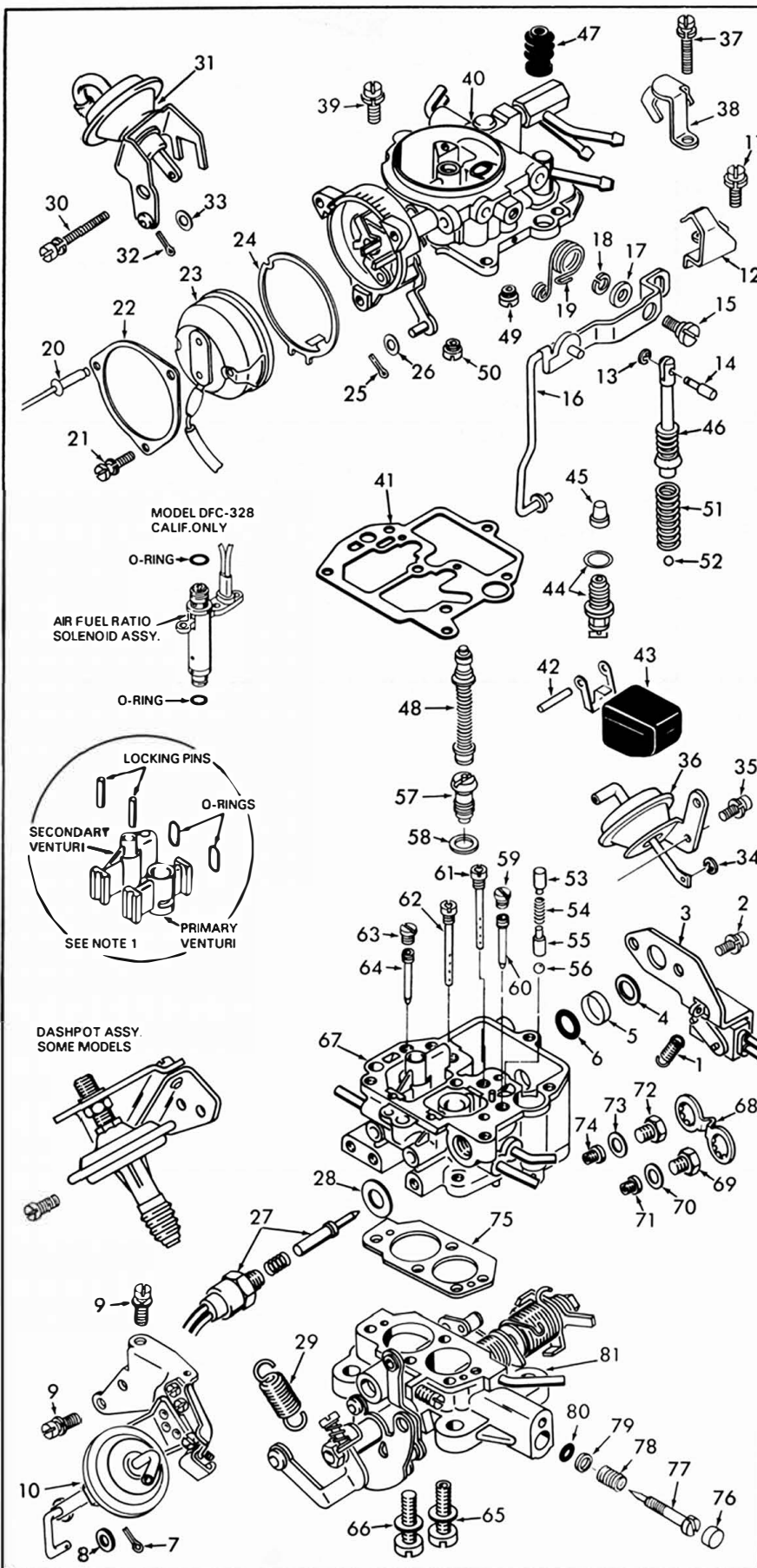
OFF VEHICLE CARBURETOR SERVICE

HITACHI MODEL - DCZ328

50-653

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. REMOVE WIRES FROM CARBURETOR HARNESS CONNECTOR USING PROPER TOOL AND IDENTIFY WIRE LOCATION FOR PROPER REASSEMBLY. CAUTION. ORIGINAL SCREWS HAVE LOCK TIGHT APPLIED TO THEM. TAKE EXTRA CARE IN REMOVING THEM. USE PROPER TOOLS. DRILL OR CUT OFF POP RIVET HEADS TO REMOVE CHOKE COVER. REMOVE STAKING FROM AIR HORN FOR EASY REMOVAL OF POWER PISTON ASSY. NOTE. SIZES OF ALL JETS AND THEIR LOCATION FOR PROPER REASSEMBLY RECORD SIZES BELOW. TO REMOVE IDLE NEEDLE PLUG CAREFULLY DRILL HOLE IN PLUG. USING AN EASY OUT PULL PLUG FROM HOLE.

NOTE 1. IF VENTURI'S ARE REMOVED TO REPLACE "O"-RING SEALS, CAREFULLY TAP VENTURI FROM THE BOTTOM SIDE UNTIL FREE OF HOUSING. INSTALL NEW "O"-RING. HOLDING VENTURI FIRMLY IN PLACE, TAP LOCKING PIN IN FLUSH WITH HOUSING

NOMENCLATURE

REF. NO.	REF. NO.
1. SPRING-SWITCH LEVER	38. BRACKET-FUEL FITTING
2. SCREW & LKWSHR. (2)-WINDOW/SWITCH BRACKET	39. SCREW & LKWSHR. (2)-BOWL COVER
3. THROTTLE VALVE SWITCH & BRACKET	40. BOWL COVER ASSEMBLY
4. GASKET-WINDOW	41. GASKET-BOWL COVER
5. WINDOW-FUEL BOWL	42. PIN-FLOAT
6. "O"-RING-WINDOW	43. FLOAT & LEVER ASSY
7. COTTER PIN-A/C ACTUATOR LINK	44. NEEDLE & SEAT ASSY
8. WASHER-A/C ACTUATOR LINK	45. SCREEN-NEEDLE SEAT
9. SCREW (2)-A/C ACTUATOR BRACKET	46. PUMP ASSEMBLY
10. A/C ACTUATOR ASSEMBLY	47. BOOT-PUMP
11. SCREW & LKWSHR.-BRACKET	48. POWER PISTON ASSEMBLY
12. BRACKET-PUMP STROKE	49. JET-PRI. SLOW AIR BLEED
13. RETAINER-PIN	50. JET-SEC. SLOW AIR BLEED
14. PIN-PUMP LEVER	51. SPRING-PUMP RETURN
15. PIVOT SCREW-PUMP LEVER	52. BALL-PUMP INTAKE CHECK
16. LEVER & ROD ASSY.-PUMP	53. WEIGHT-PUMP DISCHARGE
17. WASHER-PUMP LEVER SCREW	54. SPRING-PUMP DISCHARGE
18. LOCK WASHER-PUMP LEVER SCREW	55. WEIGHT-PUMP DISCHARGE
19. SPRING-PUMP LEVER	56. BALL-PUMP INTAKE CHECK
20. POP RIVET (2)-RETAINER	57. POWER VALVE ASSEMBLY
21. SCREW & LKWSHR.-RETAINER	58. GASKET-POWER VALVE
22. RETAINER-CHOKE COVER	59. PLUG-PRI. SLOW JET
23. CHOKE COVER ASSY.-ELECTRIC	60. JET-PRI. SLOW
24. PLATE-STOPPER	61. JET-PRI. MAIN AIR BLEED
25. COTTER PIN-FAST IDLE LINK	62. JET-SEC. MAIN AIR BLEED
26. WASHER-FAST IDLE LINK	63. PLUG-SEC. SLOW JET
27. SOLENOID ASSY.-IDLE SHUT OFF	64. JET-SEC. SLOW
28. GASKET-IDLE SHUT OFF SOLENOID	65. SCREW & LKWSHR.-THROTTLE BODY (HOLLOW)
29. SPRING-THROTTLE RETURN	66. SCREW & LKWSHR. (3)-THROTTLE BODY
30. SCREW & LKWSHR.-BRACKET	67. BOWL ASSEMBLY
31. CHOKE PULL OFF ASSY.	68. RETAINER-PLUGS
32. COTTER PIN-CHOKE PULL OFF LINK	69. PLUG-PRIMARY MAIN JET
33. WASHER-CHOKE PULL OFF LINK	70. GASKET-PLUG
34. RETAINER-SEC. DIAPHRAGM ROD	71. JET-PRIMARY MAIN JET
35. SCREW & LKWSHR. (2)-SEC DIAPHRAGM ASSY.	72. PLUG-SEC. MAIN JET
36. SECONDARY THROTTLE VALVE DIAPHRAGM ASSY.	73. GASKET-PLUG
37. SCREW & LKWSHR.-BRACKET	74. JET-SECONDARY MAIN
	75. GASKET-THROTTLE BODY
	76. PLUG-IDLE ADJ. NEEDLE
	77. NEEDLE-IDLE ADJUSTING
	78. SPRING-IDLE NEEDLE
	79. WASHER-IDLE NEEDLE
	80. "O"-RING-IDLE NEEDLE
	81. THROTTLE BODY ASSEMBLY

CLEANING

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 ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTION. DO NOT SOAK ASSEMBLIES WITH ATTACHED PLASTIC PARTS FOR A LONG PERIOD OF TIME DO NOT SOAK PARTS SUCH AS (3), (10), (23), (27), (31), (36), (43), & (45) IN ANY TYPE OF CLEANING SOLVENTS

REASSEMBLY

REASSEMBLY 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 (77)-TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 4 TURNS.

PUMP RETURN SPRING (51)-INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER

"O"-RING SEALS-LIGHTLY LUBRICATE BEFORE INSTALLING AIR FUEL RATIO SOLENOID (CALIFORNIA ONLY).

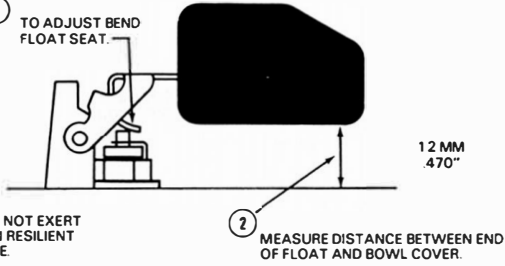
CHECK FAST IDLE AND CHOKE UNLOADER ADJUSTMENT BEFORE ASSEMBLING CHOKE COVER (23).

AUTO CHOKE COVER (23)-CANADA MODELS SET AT INDEX, ALL U S A MODELS ARE NON ADJUSTABLE.

ADJUSTMENTS

- ① BOWL COVER INVERTED, RAISE FLOAT AND THEN LOWER IT SLOWLY UNTIL FLOAT SEAT MAKES CONTACT WITH STEM OF NEEDLE VALVE. (DO NOT COMPRESS SPRING LOADED NEEDLE)

- ③ TO ADJUST BEND FLOAT SEAT.



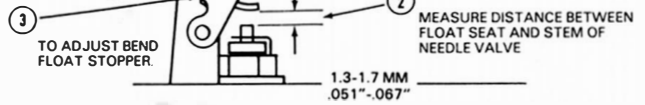
CAUTION: DO NOT EXERT PRESSURE ON RESILIENT NEEDLE VALVE.

DRY FLOAT LEVEL ADJUSTMENT

FIG. 1

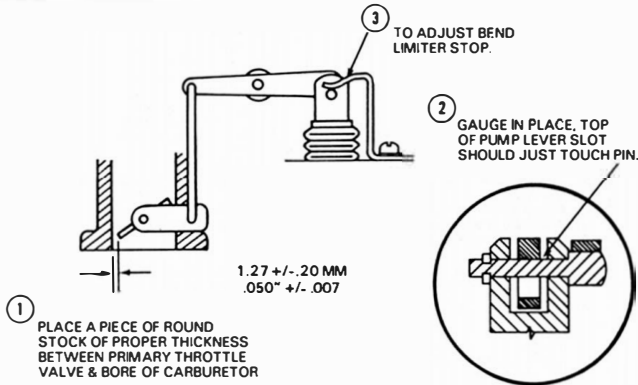
- ① BOWL COVER INVERTED, RAISE FLOAT UNTIL FLOAT STOPPER CONTACTS CARBURETOR BODY

NOTE: REMOVE NEEDLE FULLCLIP TO MAKE THIS ADJUSTMENT.



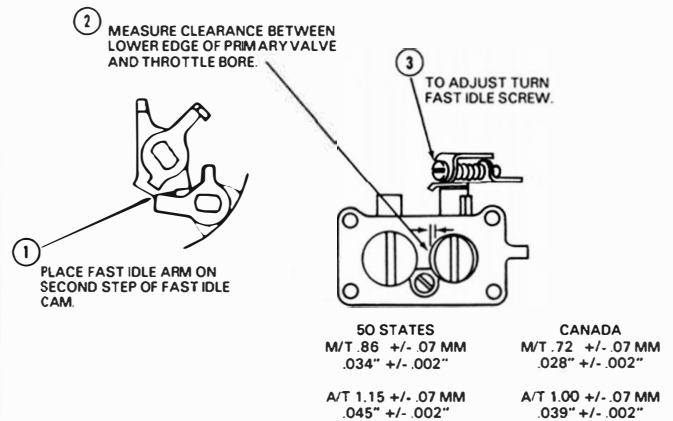
FLOAT DROP ADJUSTMENT

FIG. 2



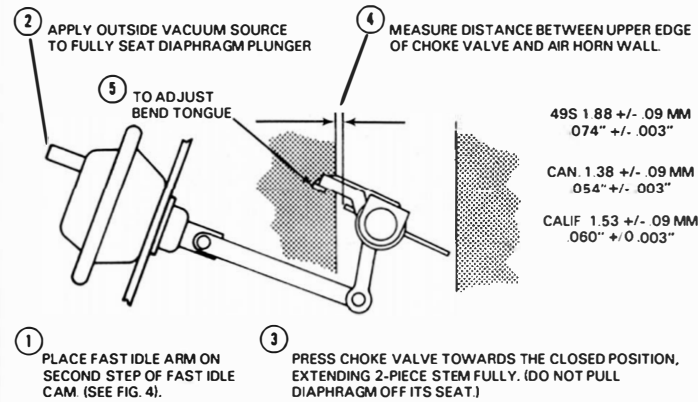
PUMP STROKE LIMITER ADJUSTMENT

FIG. 3



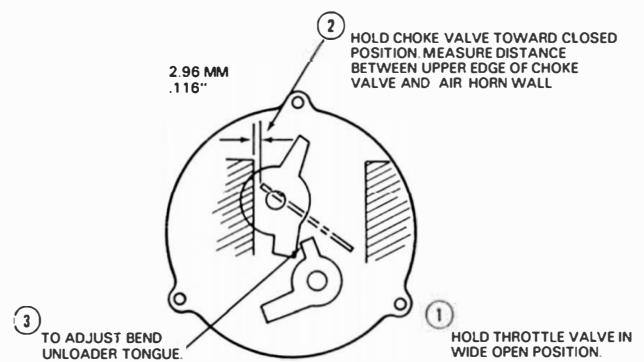
FAST IDLE ADJUSTMENT (BENCH)

FIG. 4



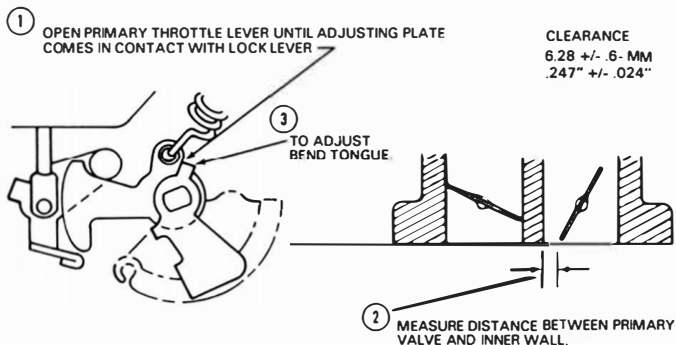
VACUUM BREAK ADJUSTMENT

FIG. 5



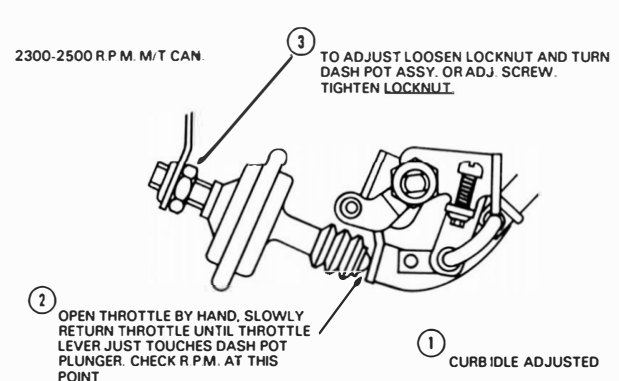
CHOKE UNLOADER ADJUSTMENT

FIG. 6



SECONDARY THROTTLE START TO OPEN ADJUSTMENT.

FIG. 7



DASH POT ADJUSTMENT

FIG. 8