

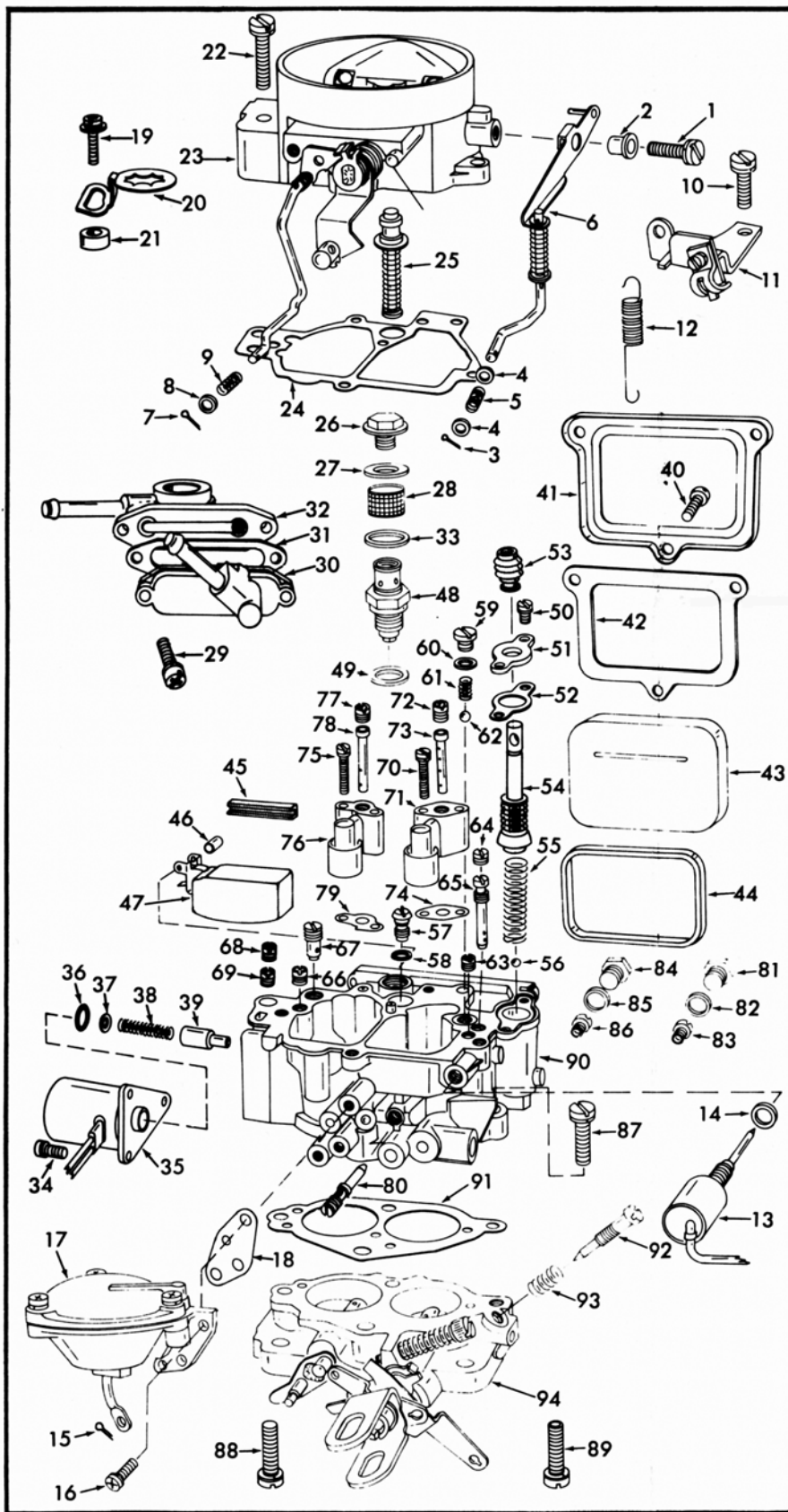
INSTRUCTION SHEET

HITACHI CARBURETOR — MODEL DCM 328-13

50-438-1

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. REMOVE STAKING FROM BOWL
COVER FOR EASY REMOVAL OF POWER PISTON ASSY. (25). NOTE
SIZES OF JETS AND THEIR LOCATION FOR PROPER ASSEMBLY.
(RECORD SIZES BELOW) ALSO NOTE LOCATION OF HOLLOW THROTTLE
BODY SCREWS (89).

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & LOCKWASHER-PUMP LEVER	49. GASKET(SERVICE)-NEEDLE & SEAT
2. SLEEVE-PUMP LEVER	50. SCREW & LOCKWASHER(2)-PUMP PLATE
3. COTTER PIN-PUMP ROD	51. PLATE-PUMP
4. WASHER(2)-PUMP ROD	52. GASKET-PUMP PLATE
5. SPRING-PUMP ROD	53. BOOT-PUMP
6. LEVER & ROD ASSY.-PUMP	54. PUMP ASSY.
7. COTTER PIN-FAST IDLE ROD	55. SPRING-PUMP RETURN
8. WASHER-FAST IDLE ROD	56. BALL(NYLON)-PUMP INTAKE
9. SPRING-FAST IDLE ROD	57. POWER VALVE ASSY.
10. SCREW & LOCKWASHER-CABLE BRACKET	58. GASKET-POWER VALVE
11. BRACKET-CHOKE CABLE	59. PLUG-PUMP DISC. BALL
12. SPRING-THROTTLE RETURN	60. GASKET-PLUG
13. SOLENOID-ANTI DIESELING	61. SPRING-CHECK BALL
14. GASKET-SOLENOID	62. BALL-PUMP DISC. CHECK
15. COTTER PIN-SEC. DIAPH. LINK	63. JET-PRI. SLOW AIR BLEED
16. SCREW & LOCKWASHER(3)-SEC. DIAPH. ASSY.	64. PLUG-PRI. SLOW JET
17. SEC. DIAPHRAGM ASSY.	65. JET-PRI. SLOW
18. GASKET-SEC. DIAPH. ASSY.	66. JET-SEC. SLOW AIR BLEED
19. SCREW & WASHERS-BANJO BOLT LOCK	67. JET-SEC. SLOW
20. LOCK-BANJO BOLT	68. JET-COASTING AIR BLEED
21. SPACER-LOCK	69. JET-COASTING
22. SCREW & LOCKWASHER(2)-AIR HORN	70. SCREW & WASHERS(2)-PRI. VENTURI
23. AIR HORN ASSY.	71. PRI. VENTURI ASSY.
24. GASKET-AIR HORN	72. JET-PRI. MAIN AIR BLEED
25. POWER PISTON ASSY.	73. TUBE-PRI. EMULSION
26. BOLT-FUEL INLET BANJO	74. GASKET-PRI. VENTURI
27. GASKET-BANJO (UPPER)	75. SCREW & WASHERS(2)-SEC. VENTURI
28. SCREEN-FUEL INLET	76. SEC. VENTURI ASSY.
29. SCREW & LOCKWASHER(2)-PRESSURE REG.	77. JET-SEC. MAIN AIR BLEED
30. COVER-PRESSURE REG.	78. TUBE-SEC. EMULSION
31. GASKET-COVER	79. GASKET-SEC. VENTURI
32. VALVE ASSY.-PRESSURE REG.	80. JET-VACUUM
33. GASKET-BANJO (LOWER)	81. PLUG-PRI. MAIN JET
34. SCREW & LOCKWASHER(3)-SOLENOID	82. GASKET-PLUG
35. SOLENOID-COASTING VALVE	83. JET-PRI. MAIN
36. O RING-SOLENOID	84. PLUG-SEC. MAIN JET
37. WASHER-SHIM	85. GASKET-PLUG
38. SPRING-PLUNGER	86. JET-SEC. MAIN
39. PLUNGER-COASTING VALVE	87. SCREW & LOCKWASHER(1)-THROTTLE BODY
40. SCREW(3)-GAUGE COVER	88. SCREW & LOCKWASHER(2)-THROTTLE BODY
41. COVER-LEVEL GAUGE	89. SCREW & LOCKWASHER(1)-THROTTLE BODY (HOLLOW)
42. GASKET-GAUGE COVER	90. BOWL ASSY.
43. GAUGE-LEVEL	91. GASKET-THROTTLE BODY
44. SEAL-LEVEL GAUGE	92. NEEDLE-IDLE ADJUSTING
45. SEAL-FUEL BAFFLE	93. SPRING-IDLE NEEDLE
46. COLLAR-FLOAT	94. THROTTLE BODY ASSY.
47. FLOAT & LEVEL ASSY.	
48. NEEDLE & SEAT ASSY.	

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 DIAPHRAGM ASSEMBLY (17) SOLENOIDS (13) (35) FLOAT (47) OR PARTS MADE OF RUBBER IN ANY TYPE OF CLEANING SOLVENT.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (92)-TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT 1 3/4 TO 2 TURNS.

PUMP RETURN SPRING (55)-INSTALL WITH CROSS WIRE IN SLOT AT BOTTOM OF PUMP CYLINDER.

PUMP PLUNGER (54)-REMOVE PAPER SLEEVE FROM LEATHER CUP IF USED. FLEX LEATHER OUTWARD SLIGHTLY. SOAK CUP IN LIGHT OIL A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

NEEDLE AND SEAT (48)-INSTALL GASKET (49) ON SERVICE NEEDLE AND SEAT.

GAUGE COVER SCREWS (40)-TIGHTEN SCREWS DOWN EVENLY DON'T OVERTIGHTEN.

POWER PISTON (25)-AFTER INSTALLATION LIGHTLY RESTAKE CASTING AROUND WASHER.