INSTRUCTION SHEET

50-741

OFF VEHICLE CARBURETOR SERVICE
HITACHI-MODEL DFC 328

DISASSEMBLY

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

SPECIAL DISASSEMBLY INSTRUCTIONS

REMOVE WIRE LEADS (2) FROM HARNESS CONNECTOR (1), USING PROPER TOOL, AND IDENTIFY FOR REASSEMBLY. FOLLOW NUMERICAL LISTING CAREFULLY DURING DISASSEMBLY OF ELECTRICAL COMPONENTS TO AVOID BREAKING WIRES. WHEN REMOVING JETS AND AIR BLEEDS NOTE SIZE AND LOCATION FOR PROPER REASSEMBLY. TO REMOVE IDLE NEEDLE PLUG CAREFULLY DRILL HOLE IN PLUG, USE EASY-OUT TO PULL PLUG FROM HOLE. BEFORE REMOVING IDLE NEEDLE AND THROTTLE ADJUSTMENT SCREW, TURN IN COUNTING THE NUMBER OF TURNS TO LIGHTLY SEAT. RECORD THE NUMBER BELOW.

NOTE: IF VENTURII ARE REMOVED TO REPLACE O-RING SEALS, CAREFULLY TAP EACH VENTURI UNIT OUT FROM BOTTOM OF FLOAT BOWL UNTIL FREE OF HOUSING. INSTALL NEW O-RINGS, HOLD VENTURI UNIT FIRMLY IN PLACE AND TAP LOCKING PIN IN FLUSH WITH HOUSING.

NOMENCLATURE

REF. NO.	REF. NO.
1. HARNESS CONNECTOR	39. SCREEN
2. WIRING LEADS, A/F SOLENOID	40. PRIMARY SLOW JET AIR BLEED _____
3. SCREW, BOWL VENT SOLENOID (2)	41. SECONDARY SLOW JET AIR BLEED _____
4. BOWL VENT SOLENOID	42. GASKET, FLOAT BOWL
5. O-RING, OUTER	43. WEIGHT, INJECTOR
6. O-RING, INNER	44. SPRING, ACCELERATOR PUMP
7. SPRING, BOWL VENT	45. CAP
8. PLUNGER, BOWL VENT	46. PRIMARY SLOW JET _____
9. WIRING LEAD, AUTOMATIC CHOKE	47. SECONDARY SLOW JET _____
10. COTTER KEY, CHOKE LEVER	48. PRIMARY MAIN AIR BLEED _____
11. WASHER, CHOKE LEVER	49. SECONDARY MAIN AIR BLEED _____
12. CHOKE LEVER	50. LOCK PLATE
13. SHOULDER SCREW, PUMP LEVER	51. FLOAT CHAMBER PLUG (2)
14. PUMP LEVER	52. FLOAT CHAMBER WASHER(2)
15. PUMP LINKAGE ROD	53. PRIMARY MAIN JET _____
16. SPACER, PUMP LEVER	54. SECONDARY MAIN JET _____
17. WASHER, PUMP LEVER	55. SCREW, BOWL WINDOW (2)
18. SPRING, THROTTLE RETURN	56. COVER, BOWL WINDOW
19. SCREW, FLOAT BOWL COVER (5)	57. FIBER WASHER, BOWL WINDOW
20. SCREW, IDLE-UP DIAPHRAGM	58. BOWL WINDOW
21. IDLE-UP DIAPHRAGM ASSY	59. O-RING, BOWL WINDOW
22. SOLENOID, ANTI-DIESELING	60. SCREW, SECONDARY THROTTLE DIAPHRAGM (2)
23. WASHER, ANTI-DIESELING	61. COTTER KEY
24. SPRING, ANTI-DIESELING	62. WASHER
25. PLUNGER, ANTI-DIESELING	63. SECONDARY THROTTLE DIAPHRAGM
26. FLOAT BOWL COVER	64. VACUUM HOSE
27. SCREW, AIR/FUEL SOLENOID (3)	65. SCREW, THROTTLE CABLE BRACKET (2)
28. AIR/FUEL SOLENOID	66. THROTTLE CABLE BRACKET
29. O-RING, LOWER	67. SCREWS, THROTTLE BODY (3)
30. O-RING, UPPER	68. THROTTLE BODY
31. ACCELERATOR PUMP	69. GASKET, THROTTLE BODY
32. DUST COVER, ACCELERATOR PUMP	70. IDLE ADJUSTMENT SCREW
33. FLOAT PIN	71. SPRING, IDLE ADJ. SCREW
34. FLOAT	72. BRACKET, IDLE ADJ. SCREW
35. CENTERING CLIP, NEEDLE VALVE	73. THROTTLE ADJUSTMENT SCREW
36. NEEDLE VALVE	74. SPRING, THROTTLE ADJ. SCREW
37. NEEDLE SEAT	
38. WASHER, NEEDLE SEAT	

CLEANING

CLEANING MUST BE DONE WITH UNIT DISASSEMBLED. DO NOT SOAK. CLEAN PASSAGES AND PARTS WITH A SPRAY CARBURETOR CLEANER. BE SURE TO REMOVE ALL CARBON DEPOSITS. WASH OFF WITH SUITABLE SOLVENT AND USE COMPRESSED AIR TO BLOW OUT ALL PASSAGES. DO NOT USE SOLVENT OR CLEANER ON ANY ELECTRICAL CONNECTORS, COMPONENTS, DIAPHRAGMS OR RUBBER PARTS..

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. FOR ADJUSTMENT PROCEDURES AND SPECIFICATIONS NOT LISTED, REFER TO APPROPRIATE SERVICE MANUALS BY VEHICLE MODEL AND/OR CARBURETOR NUMBER. NOTE ANY SPECIAL REASSEMBLY INSTRUCTIONS.

SPECIAL REASSEMBLY INSTRUCTIONS

REFER TO IDENTIFICATION MADE OF JETS AND BLEEDS ON DISASSEMBLY FOR PROPER REASSEMBLY.

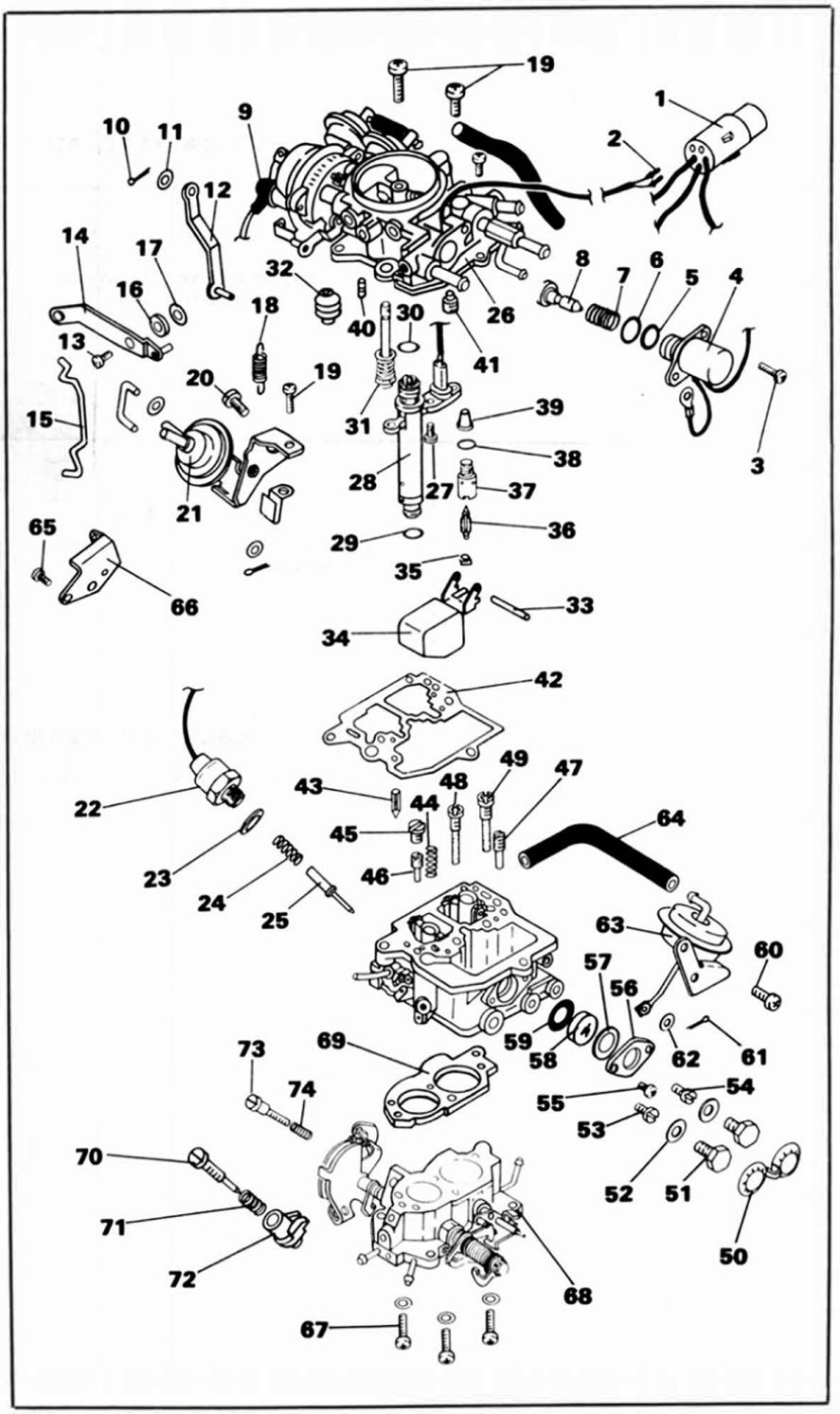
O-RINGS--APPLY SILICONE OIL FOR EASE OF INSTALLATION.

IDLE ADJUSTMENT NEEOLE/THROTTLE ADJUSTMENT SCREW--TURN IN TO LIGHTLY SEAT, BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

PUMP RETURN SPRING--INSTALL WITH CROSS-WIRE TO BOTTOM OF WELL.

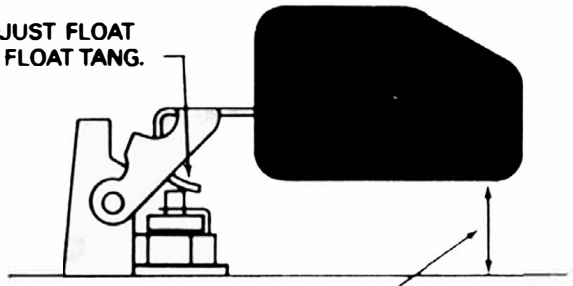
GENERAL EXPLODED VIEW

ACTUAL UNITS MAY VARY



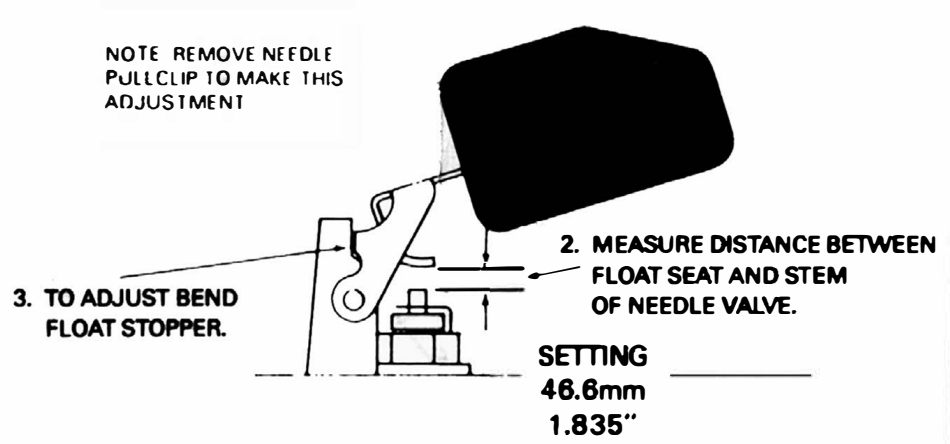
ADJUSTMENTS

1. WITH 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).



DRY FLOAT LEVEL ADJUSTMENT

1. WITH BOWL COVER INVERTED RAISE FLOAT UNTIL FLOAT STOPPER CONTACTS CARBURETOR BODY.



FLOAT DROP ADJUSTMENT