

## OFF VEHICLE CARBURETOR SERVICE HITACHI-MODEL DFC 328

### 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. 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 VENTURI 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.<br>NO.                      | REF.<br>NO.                                 |
|----------------------------------|---------------------------------------------|
| 1. HARNESS CONNECTOR             | 39. SCREEN                                  |
| 2. WIRING LEADS, A/F SOLENOID    | 40. PRIMARY SLOW JET                        |
| 3. SCREW, BOWL VENT SOLENOID (2) | 41. SECONDARY SLOW JET                      |
| 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.

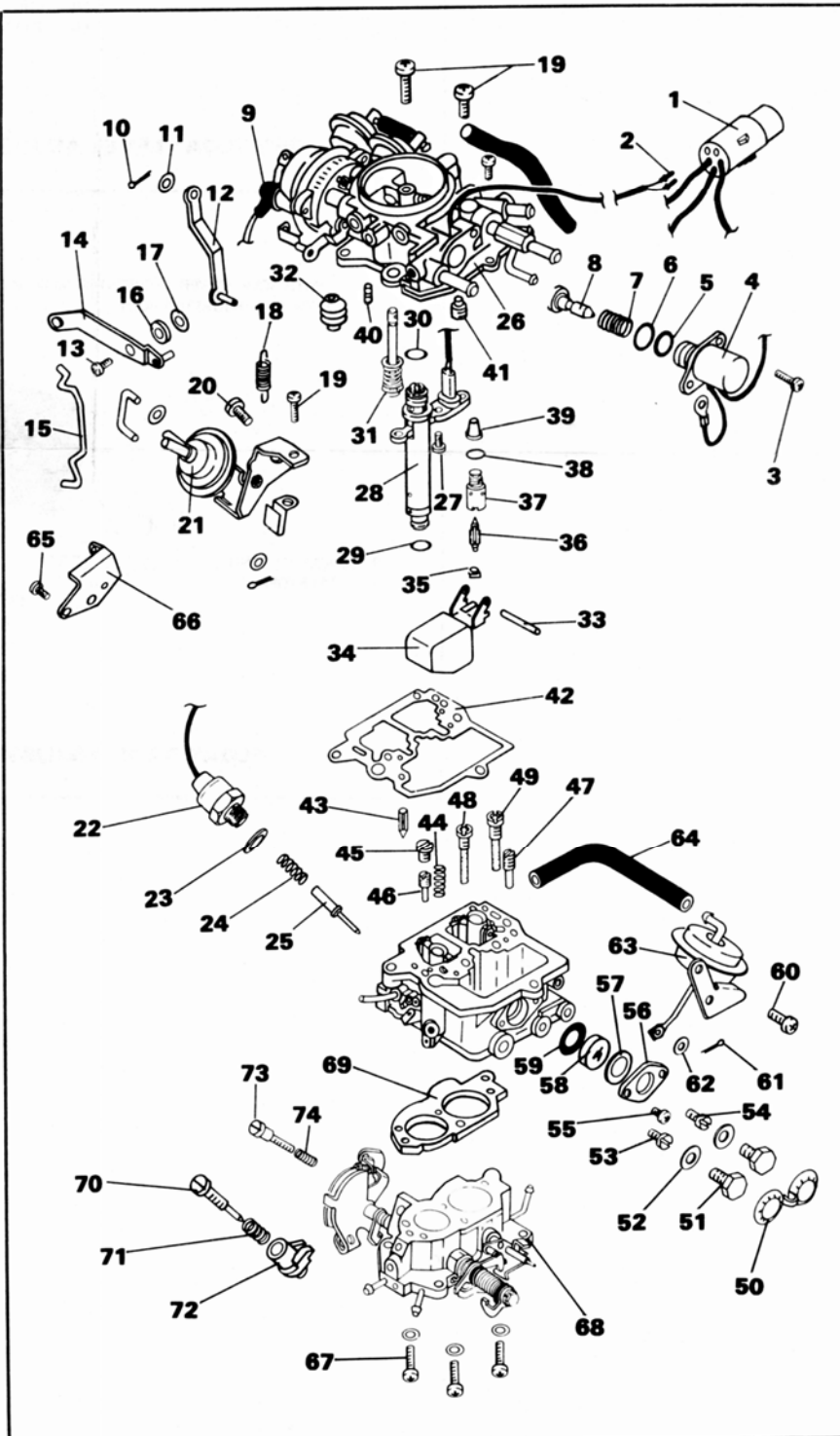
### SPECIAL REASSEMBLY INSTRUCTIONS

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

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

IDLE ADJUSTMENT NEEDLE/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.

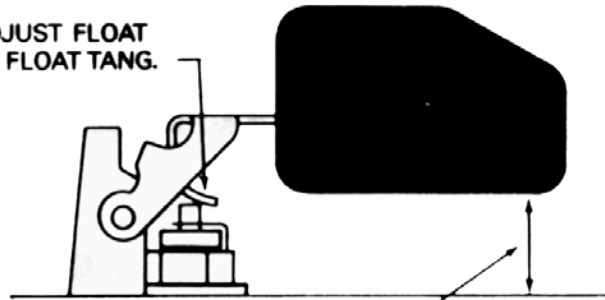
### GENERAL EXPLODED VIEW ACTUAL UNITS MAY VARY



# 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).

3. TO ADJUST FLOAT BEND FLOAT TANG.



SETTING  
11.1mm  
.437"

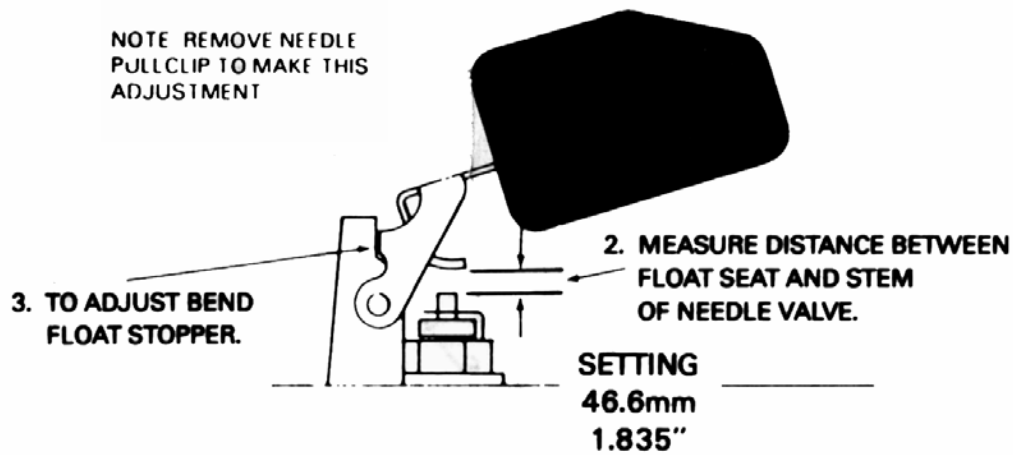
CAUTION DO NOT EXERT  
PRESSURE ON RESILIENT  
NEEDLE VALVE

2. MEASURE DISTANCE BETWEEN  
END OF FLOAT AND BOWL COVER.

## DRY FLOAT LEVEL ADJUSTMENT

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

NOTE REMOVE NEEDLE  
PULL CLIP TO MAKE THIS  
ADJUSTMENT



3. TO ADJUST BEND  
FLOAT STOPPER.

SETTING  
46.6mm  
1.835"

## FLOAT DROP ADJUSTMENT