

INSTRUCTION SHEET

OFF VEHICLE CARBURETOR SERVICE

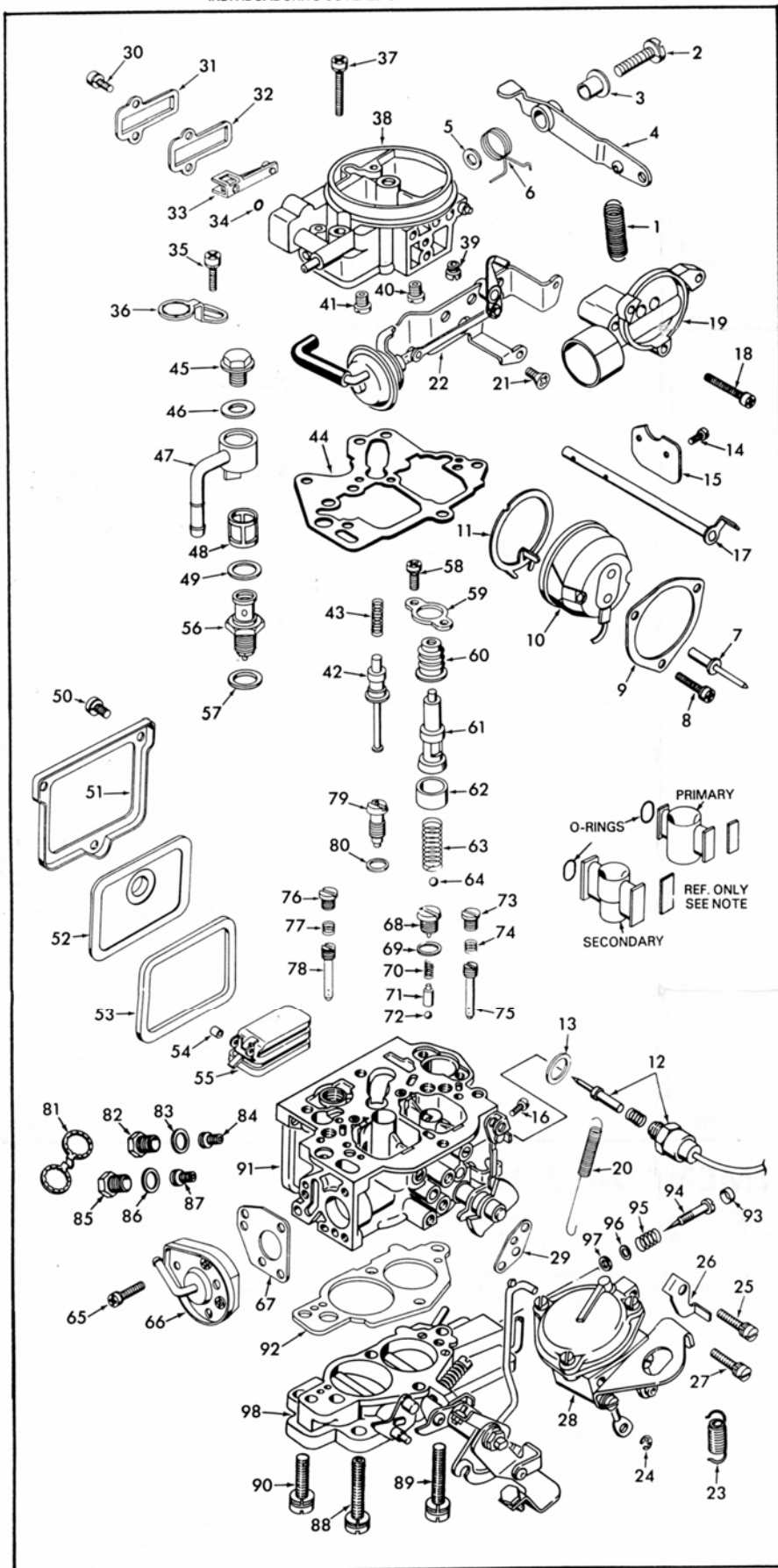
HITACHI MODEL DCR342

Z20 ENGINE (1984 NISSAN PICKUP M. P. G.)

IS- 50-681

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. CAUTION: ORIGINALLY CHOKE VALVE SCREWS AND SOME OTHERS 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. ONLY REMOVE THREE LONGEST SCREWS WHEN REMOVING BY-PASS AIR CONTROL VALVE ASSEMBLY. REMOVE STAKING FROM AIR HORN FOR EASY REMOVAL OF POWER PISTON ASSEMBLY. NOTE SIZES OF ALL JETS AND THEIR LOCATION FOR PROPER ASSEMBLY. RECORD SIZES BELOW. CAREFULLY DRILL HOLE IN PLUG COVERING IDLE ADJUSTING NEEDLE. USING A PULLER REMOVE PLUG. BEFORE REMOVING IDLE ADJUSTING NEEDLE, TURN IN COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT THE NEEDLE. RECORD FOR ASSEMBLY.

NOTE: IF VENTURI ARE REMOVED TO REPLACE O-RING SEALS, LIGHTLY TAP VENTURI FROM THE BOTTOM SIDE UNTIL IT IS FREE. (REMOVE STAKING ON O-RING SIDE OF VENTURI IF NECESSARY.) INSTALL NEW O-RING. INSTALL O-RING AND VENTURI FIRMLY IN PLACE, THEN TAP IN SPRING RETAINER. BE SURE VENTURI IS FIRMLY IN PLACE. LIGHTLY RESTAKE VENTURI ON O-RING SIDE.

CAUTION: DO NOT TURN THE TWO SCREW LIKE PLUGS LOCATED IN THROTTLE BODY HOUSING. (PRIMARY SIDE.)

NOMENCLATURE

REF. NO.	REF. NO.
1. SPRING-THROTTLE RETURN (PUMP LEVER)	50. SCREW (3)-CLAMP
2. SCREW & LOCKWASHER-PUMP LEVER	51. CLAMP-WINDOW
3. SLEEVE-PUMP LEVER	52. WINDOW-FUEL BOWL
4. LEVER-PUMP	53. GASKET-WINDOW
5. WASHER-PUMP LEVER	54. SLEEVE-FLOAT RETAINER
6. SPRING-LEVER RETURN	55. FLOAT ASSEMBLY
7. POP RIVET (2)-CHOKE RETAINER	56. NEEDLE & SEAT ASSEMBLY
8. SCREW & LOCKWASHER-CHOKE RETAINER	57. GASKET-NEEDLE SEAT (SERVICE)
9. RETAINER-CHOKE COVER	58. SCREW & LOCKWASHER (2)-PUMP PLATE
10. CHOKE COVER ASSEMBLY-ELECTRIC	59. PLATE-BOOT
11. PLATE-STOPPER	60. BOOT-PUMP
12. SOLENOID ASSEMBLY-ANTI DIESELING	61. PUMP ASSEMBLY
13. GASKET-SOLENOID	62. SLEEVE-PUMP CYLINDER
14. SCREW (2)-CHOKE VALVE	63. SPRING-PUMP
15. VALVE-CHOKE	64. BALL-PUMP INTAKE CHECK
16. SCREW & LOCKWASHER-FAST IDLE LEVER	65. SCREW & LOCKWASHER (3)-BY-PASS VALVE
17. SHAFT-CHOKE	66. VALVE ASSEMBLY-BY-PASS AIR CONTROL
18. SCREW & LOCKWASHER (2)-CHOKE HOUSING	67. GASKET-BY-PASS VALVE
19. HOUSING-CHOKE	68. PLUG-PUMP CHECK
20. SPRING-SECONDARY RETURN	69. GASKET-PLUG
21. SCREW-CHOKE PULLOFF BRACKET	70. SPRING-PUMP CHECK
22. CHOKE PULLOFF DIAPHRAGM ASSY.	71. WEIGHT-PUMP CHECK
23. SPRING-THROTTLE RETURN	72. BALL-PUMP DISC. CHECK
24. E-CLIP-SEC. DIAPHRAGM STEM	73. PLUG-PRI. SLOW JET
25. SCREW & LOCKWASHER-CAM STOP	74. SPRING-PRI. SLOW JET
26. STOP-FAST IDLE CAM	75. JET-PRI. SLOW
27. SCREW & LOCKWASHER (2)-SEC. DIAPHRAGM ASSEMBLY	76. PLUG-SEC. SLOW JET
28. SECONDARY THROTTLE DIAPHRAGM ASSY.	77. SPRING-SEC. SLOW JET
29. GASKET-SEC. DIAPHRAGM ASSEMBLY	78. JET-SEC. SLOW
30. SCREW & LOCKWASHER (2)-COVER	79. POWER VALVE ASSEMBLY
31. COVER-IDLE COMPENSATOR	80. GASKET-POWER VALVE
32. GASKET-COVER	81. RETAINER-MAIN JET PLUGS
33. IDLE COMPENSATOR VALVE ASSY.	82. PLUG-PRI. MAIN JET
34. O-RING-IDLE COMPENSATOR VALVE	83. GASKET-PLUG
35. SCREW & WASHERS-LOCK LEVER	84. JET-PRI. MAIN
36. LEVER-LOCK	85. PLUG-SEC. MAIN JET
37. SCREW & LOCKWASHER-AIR HORN (4 DIFF. LENGTHS)	86. GASKET-PLUG
38. AIR HORN ASSEMBLY	87. JET-SEC. MAIN
39. JET-SLOW AIR BLEED	88. SCREW & LOCKWASHER (1)-THROTTLE BODY (HOLLOW)
40. JET-PRI. MAIN AIR BLEED	89. SCREW & LOCKWASHER (1)-THROTTLE BODY (LONG)
41. JET-SEC. MAIN AIR BLEED	90. SCREW & LOCKWASHER (2)-THROTTLE BODY
42. PISTON-POWER VALVE	91. BOWL ASSEMBLY
43. SPRING-POWER VALVE PISTON	92. GASKET-THROTTLE BODY
44. GASKET-AIR HORN	93. PLUG-IDLE NEEDLE
45. SCREW-FILTER SET	94. NEEDLE-IDLE ADJUSTING
46. GASKET-SCREW	95. SPRING-IDLE ADJUSTING NEEDLE
47. NIPPLE-FUEL	96. WASHER-NEEDLE SEAL
48. SCREEN-FUEL FILTER	97. SEAL-IDLE ADJUSTING NEEDLE
49. GASKET-NIPPLE	98. THROTTLE BODY ASSEMBLY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. CAUTION: DO NOT EXTEND CLEANING PERIOD OF PARTS WITH ATTACHED PLASTIC COMPONENTS. 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. DO NOT SOAK PARTS SUCH AS 10, 12, 22, 28, 33, 48, 52, 55, 60, 66, OR RUBBER PARTS IN ANY TYPE OF CLEANING SOLVENTS.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

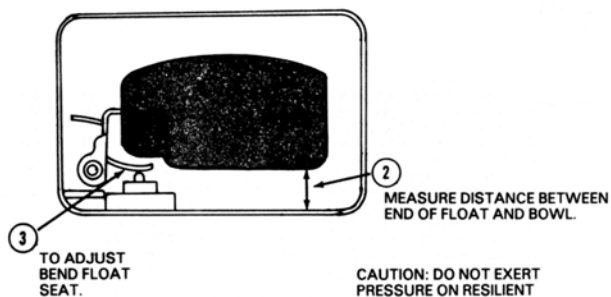
IDLE ADJUSTING NEEDLE-TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

PUMP RETURN SPRING-INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER AND IN SLOT.

POWER PISTON-AFTER INSTALLATION LIGHTLY RESTAKE CASTING AROUND WASHER.

ADJUSTMENTS

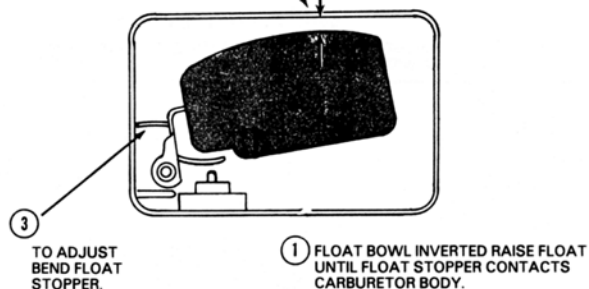
- ① FLOAT BOWL INVERTED, RAISE FLOAT AND THEN LOWER IT SLOWLY UNTIL FLOAT SEAT MAKES CONTACT WITH STEM OF NEEDLE VALVE. (DO NOT COMPRESS SPRING LOADED NEEDLE).



DRY FLOAT LEVEL ADJUSTMENT

FIG. 1

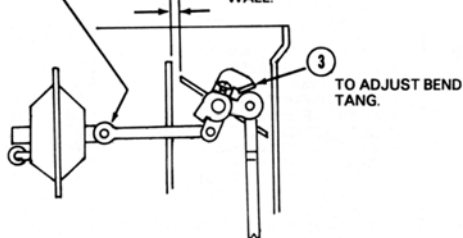
- ② MEASURE DISTANCE BETWEEN FLOAT AND CARBURETOR BODY



FLOAT DROP ADJUSTMENT

FIG. 2

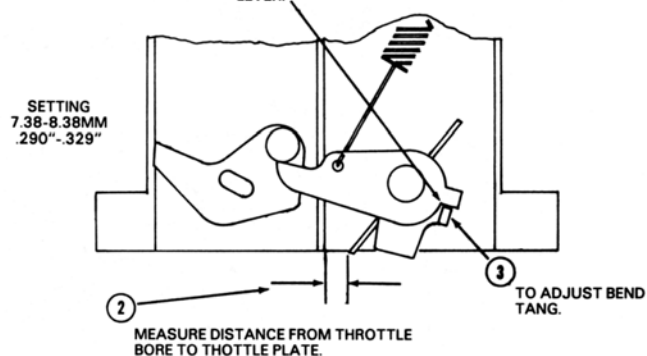
- ① PRESS IN ON END OF PLUNGER STEM UNTIL DIAPHRAGM IS SEATED.
- ② CHOKE HELD TOWARD CLOSED POSITION. MEASURE DISTANCE BETWEEN UPPER EDGE OF CHOKE VALVE AND AIR HORN WALL.



VACUUM BREAK ADJUSTMENT

FIG. 3

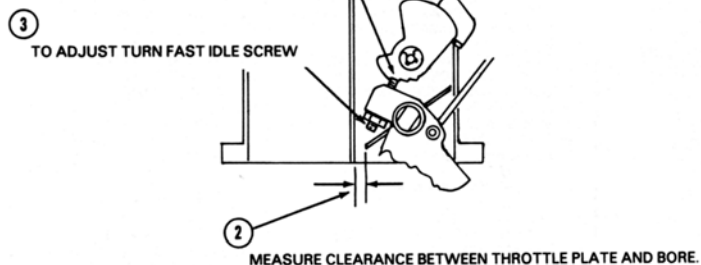
- ① OPEN PRIMARY THROTTLE LEVER UNTIL KICK LEVER JUST MAKES CONTACT WITH SECONDARY RETURN LEVER.



SECONDARY THROTTLE START TO OPEN ADJUSTMENT

FIG. 4

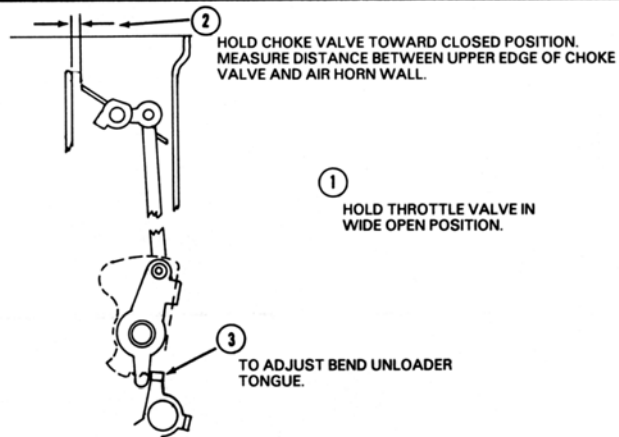
- ① PLACE FAST IDLE SCREW ON 2ND. STEP OF CAM.



FAST IDLE ADJUSTMENT (BENCH)

FIG. 5

- ② HOLD CHOKE VALVE TOWARD CLOSED POSITION. MEASURE DISTANCE BETWEEN UPPER EDGE OF CHOKE VALVE AND AIR HORN WALL.



UNLOADER ADJUSTMENT

FIG. 6

ADJUSTMENT DATA TABLE

APPLICATION		FLOAT LEVEL	FLOAT DROP	VACUUM BREAK	FAST IDLE BENCH	UNLOADER ADJUSTING
1984 NISSAN Z20 Eng. PICKUP M. P. G.	M/T	7.5MM .295"	4.7-5.1MM .185"-.203"	2.82-3.22MM .103"-.126"	.76-.90MM .030"-.035"	2.05-2.85MM .081"-.112"