

INSTRUCTION SHEET

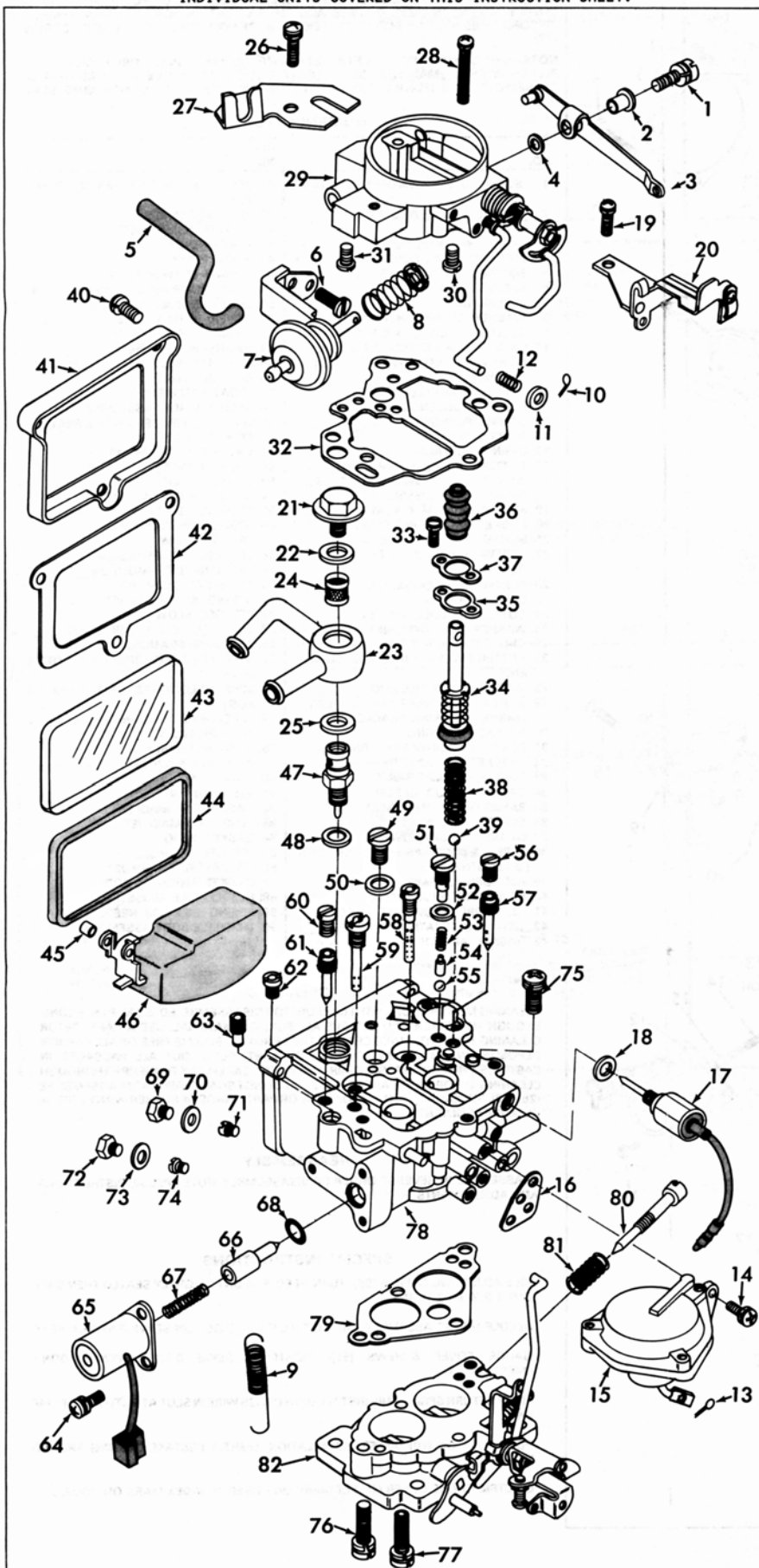
OFF VEHICLE CARBURETOR SERVICE

HITACHI-MODEL DCJ-328

50-525-3

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. DISASSEMBLY OF SECONDARY DIAPHRAGM ASSY. (15) IS NOT NECESSARY UNLESS DIAPHRAGM IS BEING REPLACED OR CHECK BALL IS STICKING. NOTE SIZES OF JETS AND THEIR LOCATION FOR PROPER ASSEMBLY (RECORD SIZES BELOW). ALSO NOTE LOCATION OF HOLLOW THROTTLE BODY SCREW (77).

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & LOCKWASHER - PUMP LEVER	40. SCREW (3) - GAUGE COVER
2. SLEEVE - PUMP LEVER	41. COVER - LEVEL GAUGE
3. LEVER - PUMP	42. GASKET - GAUGE COVER
4. WASHER - LEVER SCREW (INNER)	43. GAUGE - FUEL LEVEL
6. SCREW & LOCKWASHER (2) - CHOKE PULL OFF	44. SEAL - LEVEL GAUGE
5. VAC. HOSE-CHOKE PULL OFF	45. COLLAR - FLOAT
7. CHOKE PULL OFF ASSY.	46. FLOAT ASSY.
8. WASHER & SPRING - CHOKE PULL OFF STEM	47. NEEDLE & SEAT ASSY.
9. SPRING - THROTTLE RETURN	48. GASKET (SERVICE) - NEEDLE SEAT
10. COTTER PIN - CHOKE ROD	49. PLUG - BOWL PASSAGE
11. WASHER - CHOKE ROD	50. GASKET - PLUG
12. SPRING - CHOKE ROD	51. PLUG (CHECK) - PUMP DISC. BALL
13. COTTER PIN-SEC. DIAPHRAGM LINK	52. GASKET - PLUG
14. SCREW & LOCKWASHER (3) - SEC. DIAPHRAGM ASSY.	53. SPRING - BALL WEIGHT
15. SECONDARY DIAPHRAGM ASSY.	54. WEIGHT - CHECK BALL
16. GASKET-SEC. DIAPHRAGM ASSY	55. BALL - PUMP DISC. CHECK (STEEL)
17. SOLENOID ASSY. - ANTI DIESELING	56. PLUG - PRI. SLOW JET
18. GASKET - SOLENOID ASSY.	57. JET - PRI. SLOW
19. SCREW & LOCKWASHER - CHOKE BRACKET	58. JET TUBE - PRI. EMULSION
20. BRACKET - CHOKE CABLE	59. JET TUBE - SEC. EMULSION
21. BOLT - FUEL INLET BANJO	60. PLUG - SEC. SLOW JET
22. GASKET - BANJO (UPPER)	61. JET - SEC. SLOW
23. BANJO FITTING-FUEL INLET	62. JET - SEC. SLOW AIR BLEED
24. SCREEN - FUEL INLET	63. JET - DECELERATION
25. GASKET - BANJO (LOWER)	64. SCREW & LOCKWASHER (3) - SOLENOID
26. SCREW & LOCKWASHER - BANJO BRACKET	65. SOLENOID - DECELERATION
27. BRACKET - BANJO LOCK	66. PLUNGER - SOLENOID
28. SCREW & LOCKWASHER (2) - AIR HORN	67. SPRING - PLUNGER
29. AIR HORN ASSY.	68. O-RING - SOLENOID
30. JET - PRI. SLOW AIR BLEED	69. PLUG - PRI. MAIN JET
31. JET-DECELERATION AIR BLEED	70. GASKET - PLUG
32. GASKET - AIR HORN	71. JET - PRI. MAIN
33. SCREW & LOCKWASHER (2) - PUMP PLATE	72. PLUG - SEC. MAIN JET
34. PUMP ASSY.	73. GASKET - PLUG
35. GASKET - PUMP PLATE	74. JET - SEC. MAIN
36. BOOT - PUMP	75. SCREW & LOCKWASHER (1) - THROTTLE BODY
37. PLATE - PUMP	76. SCREW & LOCKWASHER (2) - THROTTLE BODY
38. SPRING - PUMP RETURN	77. SCREW & LOCKWASHER (1) - THROTTLE BODY (HOLLOW)
39. BALL - PUMP INTAKE CHECK (NYLON)	78. BOWL ASSY.
	79. GASKET - THROTTLE BODY
	80. NEEDLE - IDLE ADJUSTING
	81. SPRING - IDLE ADJ. NEEDLE
	82. THROTTLE BODY 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 ASSEMBLIES (77), (15); SOLENOIDS (17), (65); FLOAT (46) OR PARTS MADE OF RUBBER IN ANY TYPE OF CLEANING SOLVENTS.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (80) - TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT 1 3/4 TO 2 TURNS.

NEEDLE & SEAT ASSY. (47) - INSTALL GASKET (48) ON SERVICE NEEDLE & SEAT.

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

PUMP RETURN SPRING (38) - INSTALL WITH CROSS WIRE IN SLOT AT BOTTOM OF PUMP WELL.

PUMP PLUNGER (34) - FLEX LEATHER OUTWARD SLIGHTLY. SOAK CUP IN LIGHT OIL A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

CHOKE CABLE BRACKET (20) - HOOK UP CHOKE SHAFT COIL SPRING BEFORE INSTALLING BRACKET SCREW (19).

INSTRUCTION SHEET

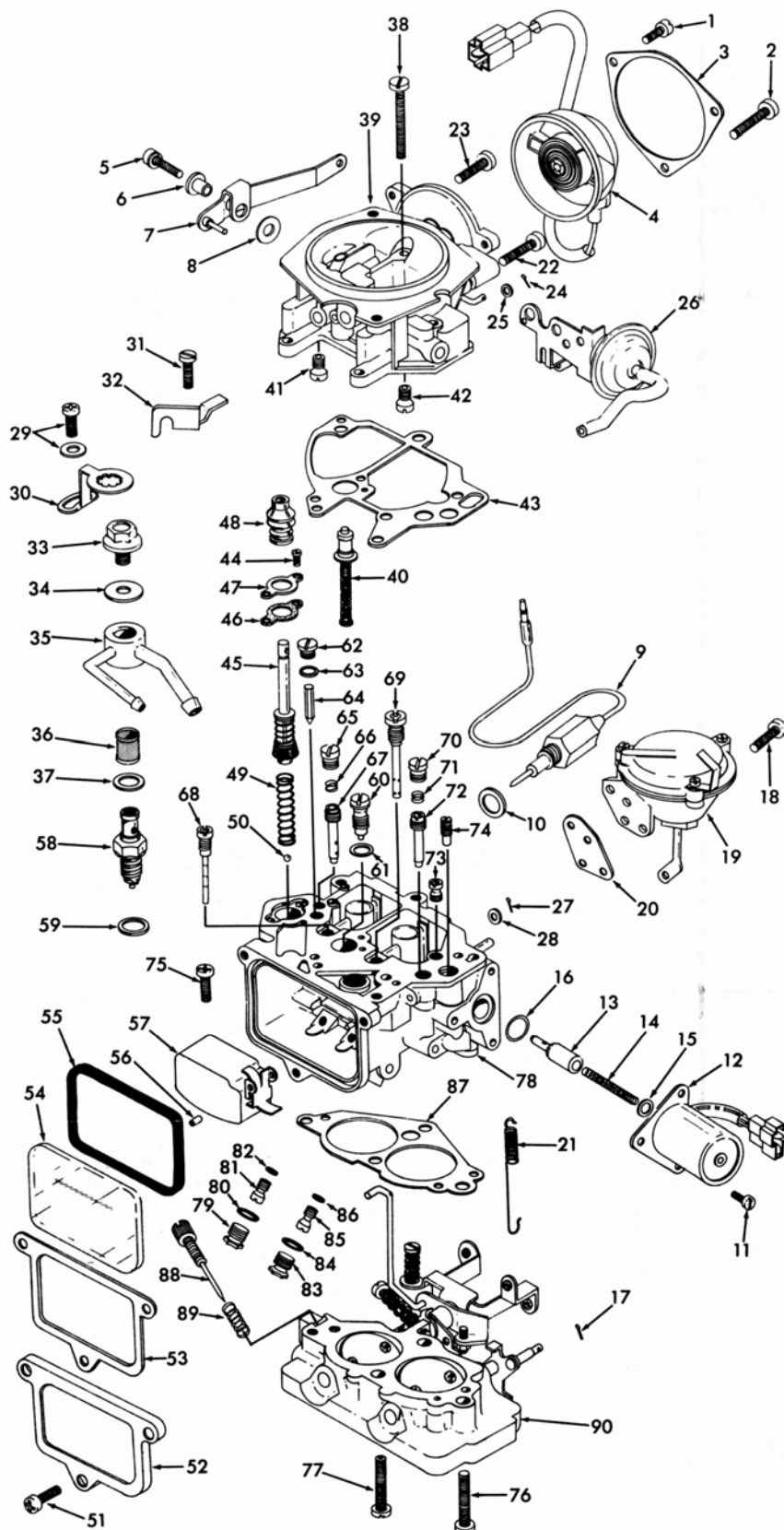
OFF VEHICLE CARBURETOR SERVICE

HITACHI-MODEL DCS-328

(FORD COURIER 2.3L ENG.)

GENERAL EXPLODED VIEW

THE GENERALLY 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. DISASSEMBLY OF SECONDARY DIAPHRAGM ASSEMBLY (19) IS NOT NECESSARY UNLESS DIAPHRAGM IS BEING REPLACED OR CHECK BALL IS STICKING. REMOVE STAKING FROM BOWL COVER FOR EASY REMOVAL OF POWER PISTON ASSEMBLY (40). NOTE SIZES OF JETS AND THEIR LOCATION FOR PROPER ASSEMBLY. (RECORD SIZES BELOW). ALSO NOTE LOCATION OF HOLLOW THROTTLE BODY SCREW (77).

NOTE: UNITS WITH POP RIVETS RETAINING CHOKE COVER. DRILL OUT BOTH RIVETS WITH A 3MM-.120" DRILL. UNITS WITH SEALED IDLE MIXTURE NEEDLE TO REMOVE IDLE NEEDLE CUT OFF .10MM-.400" OF SHELL CONTAINING SEAL PLUG.

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & LOCKWASHER (2)- CHOKE COVER.	44. SCREW & LOCKWASHER (2)- PUMP PLATE.
2. SCREW & LOCKWASHER (1)- CHOKE COVER (LONG).	45. PUMP ASSEMBLY
3. RETAINER- CHOKE COVER	46. GASKET- PUMP PLATE
4. ELECTRIC CHOKE COVER & LEAD ASSY.	47. PLATE- PUMP
5. SCREW & LOCKWASHER - PUMP LEVER	48. BOOT- PUMP
6. SLEEVE- PUMP LEVER	49. SPRING- PUMP RETURN
7. LEVER- PUMP	50. BALL- PUMP INTAKE CHECK (NYLON)
8. WASHER- LEVER SCREW (INNER)	51. SCREW (3)- GAUGE COVER
9. SOLENOID ASSY.- ANTI DIESELING	52. COVER- LEVEL GAUGE
10. GASKET- SOLENOID ASSEMBLY	53. GASKET- GAUGE COVER
11. SCREW & LOCKWASHER (3)- SOLENOID.	54. GAUGE- FUEL LEVEL
12. SOLENOID- DECELERATION	55. SEAL- LEVEL GAUGE
13. PLUNGER- SOLENOID	56. COLLAR- FLOAT
14. SPRING- PLUNGER	57. FLOAT ASSEMBLY
15. SPACER- PLUNGER	58. NEEDLE & SEAT ASSEMBLY
16. O-RING- SOLENOID	59. GASKET (SERVICE)- NEEDLE SEAT
17. COTTER PIN- SEC. DIAPH. LINK	60. POWER VALVE
18. SCREW & LOCKWASHER (3)- SEC. DIAPHRAGM ASSEMBLY.	61. GASKET- POWER VALVE
19. SECONDARY DIAPHRAGM ASSEMBLY	62. PLUG- PUMP DISC. NEEDLE
20. GASKET- SEC. DIAPHRAGM ASSY.	63. GASKET- PLUG
21. SPRING- SEC. THROTTLE RETURN	64. NEEDLE- PUMP DISCHARGE
22. SCREW & LOCKWASHER - CHOKE PULL OFF.	65. PLUG- PRI. SLOW JET
23. SCREW & LOCKWASHER- CHOKE COVER HOUSING.	66. SPRING- PRI. SLOW JET
24. COTTER PIN- PULL OFF LINK	67. JET- PRI. SLOW
25. WASHER- PULL OFF LINK	68. JET TUBE- PRI. EMULSION
26. CHOKE PULL OFF & VAC. HOSE ASSY.	69. JET TUBE- SEC. EMULSION
27. COTTER PIN- FAST IDLE ROD (LOWER END).	70. PLUG- SEC. SLOW JET
28. WASHER- FAST IDLE ROD	71. SPRING- SEC. SLOW JET
29. SCREW LOCKWASHER & FLAT WASHER- LOCKING BRACKET.	72. JET- SEC. SLOW
30. BRACKET- LOCKING	73. JET- SEC. SLOW / AIR BLEED
31. SCREW & LOCKWASHER- BRACKET	74. JET- DECELERATION
32. BRACKET- BANJO LOCK	75. SCREW & LOCKWASHER (1)- THROTTLE BODY.
33. BOLT- FUEL INLET BANJO	76. SCREW & LOCKWASHER (2)- THROTTLE BODY.
34. GASKET- BANJO (UPPER)	77. SCREW & LOCKWASHER (1)- THROTTLE BODY (HOLLOW).
35. BANJO FITING- FUEL INLET	78. BOWL ASSEMBLY
36. SCREEN- FUEL INLET	79. PLUG- PRI. MAIN JET
37. GASKET- BANJO (LOWER)	80. GASKET- PLUG
38. SCREW & LOCKWASHER (3)- AIR HORN (3 LENGTHS).	81. JET- PRI. MAIN
39. AIR HORN ASSEMBLY	82. GASKET- PRI. MAIN JET
40. POWER PISTON ASSEMBLY	83. PLUG- SEC. MAIN JET
41. JET- PRI. SLOW AIR BLEED	84. GASKET- PLUG
42. JET- DECELERATION AIR BLEED	85. JET- SEC. MAIN
43. GASKET- AIR HORN	86. GASKET- SEC. MAIN JET
	87. GASKET- THROTTLE BODY
	88. NEEDLE- IDLE ADJUSTING
	89. SPRING- IDLE ADJ. NEEDLE
	90. 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: DONOT SOAK DIAPHRAGM ASSEMBLIES (26)-(19); SOLENOIDS (9)-(12); FLOAT (57), 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 (88)- TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT 1 3/4 TO 2 TURNS.

NEEDLE & SEAT ASSEMBLY (58)- INSTALL GASKET (59)- ON SERVICE NEEDLE SEAT.

GAUGE COVER SCREWS (51)- TIGHTEN SCREWS DOWN EVENLY. DON'T OVERTIGHTEN.

PUMP RETURN SPRING (49)- INSTALL WITH CROSS WIRE IN SLOT AT BOTTOM OF PUMP WELL

POWER PISTON (40)- AFTER INSTALLATION, LIGHTLY RESTAKE CASTING AROUND WASHER.

ELECTRIC CHOKE COVER (4)- SET MARK ON COVER TO INDEX MARK ON HOUSING.

ADJUSTMENTS

