INSTRUCTION SHEET 50-427-5 HITACHI CARBURETOR — MODEL DCG-306

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET

30→ 18 20 31--27 33 48 -37 -35

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. (22). SECONDARY FUEL VALVE PLUNGER ASSY. (31) IS PRESSED IN CAREFULLY PRY OUT. <u>CAUTION</u>: NOTE SIZES OF JETS AND THEIR LOCATION FOR PROPER ASSY. (RECORD SIZES BELOW.)

NOMENCLATURE

1. COTTER PIN - PUMP LEVER ASSY. 2. E CLIP - PUMP LEVER ASSY. 3. LEVER ASSY PUMP 4. SPRING - PUMP LEVER 5. SCREW & LOCKWASHER (1) - SERVO DIAPHRAGM ASSY. 6. SCREW & LOCKWASHER (2) - SERVO DIAPHRAGM ASSY. 7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREW - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE PLUNGER ASSY. 31. PLUNGER ASSY SECONDARY FUEL VALVE 32. GASKET - PLUNGER RETURN 33. SPRING - PLUNGER RETURN 34. PLUG - SECONDARY VALVE BALL 37. BALL - SECONDARY FUEL VALVE 40. JET - PECONDARY FUEL VALVE 40. JET - PEIMARY SLOW 41. JET - SECONDARY MAIN AIR BLEED 42. JET - SECONDARY MAIN AIR BLEED 43. TUBE - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - PRIMARY MAIN JET 49. PLUG - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - SECONDARY MAIN JET 49. PLUG - PRIMARY MAIN JET 47. GASKET - PLUG 51. JET - SECONDARY MAIN JET 47. GASKET - PLUG 58. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - PLUG 66. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.		REF.	REF.			
5. SCREW & LOCKWASHER (1) - SERVO DIAPHRAGM ASSY. 6. SCREW & LOCKWASHER (2) - SERVO DIAPHRAGM ASSY. 7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID PLUNGER 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PEIMARY MAIN JET 27. SPRING - THROTTLE BOD 28. JET - PEIMARY SLOW AIR 36. PLUG - SECONDARY MAIN JET 49. PLUG - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - PRIMARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 55. LOCKWASHER (WHEN USED 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - SECONDARY FUEL VALVE		2. E CLIP - PUMP LEVER ASSY.	VALVE 32. GASKET - PLUNGER ASSY.			
DIAPHRAGM ASSY. 6. SCREW & LOCKWASHER (2) - SERVO DIAPHRAGM ASSY. 7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREM - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
6. SCREW & LOCKWASHER (2) - SERVO DIAPHRAGM ASSY. 7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID ASSY. 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - SECONDARY SLOW AIR BLEED 28. JET - SECONDARY MAIN JET 49. PLUG - PRIMARY MAIN JET 49. PLUG - PRIMARY MAIN JET 49. PLUG - PRIMARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - ILROTTLE BODY ASSY.		5. SCREW & LOCKWASHER (1) - SERVO	34. PLUG - SECONDARY FUEL VALVE			
JIAPHRAGM ASSY. 7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID PLUNGER 11. GASKET - SOLENOID ASSY. 12. SPRING - SOLENOID PLUNGER 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREW - FULL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 37. BALL - SECONDARY FUEL VALVE 39. GASKET - POWER VALVE 40. JET - PRIMARY SLOW 41. JET - SECONDARY MAIN AIR BLEED 41. TUBE - PRIMARY EMULSION (LARGE) 41. JET - SECONDARY MAIN AIR BLEED 42. JET - PRIMARY MAIN JET 44. JET - SECONDARY MAIN JET 45. TUBE - SECONDARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CREP - JULE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
7. SERVO DIAPHRAGM ASSY. 8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW 41. JET - SECONDARY MAIN AIR BLEED 45. TUBE - SECONDARY MAIN JET 46. PLUG - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.		6. SCREW & LOCKWASHER (2) - SERVO	36. SPRING - SECONDARY VALVE BALL			
8. SOLENOID ASSY ANTIDIESELING 9. PLUNGER - SOLENOID PLUNGER 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 11. GASKET - SOLENOID PLUNGER 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREW - FULE FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE	,	DIAPHRAGM ASSY.				
9. PLUNGER - SOLENOID 10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID ASSY. 12. SPRING - THROTTLE RETURN 13. SCREW 6 LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW 6 LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT 8 LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT 6 GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
10. SPRING - SOLENOID PLUNGER 11. GASKET - SOLENOID ASSY. 12. SPRING - THROTTLE RETURN 13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP INTAKE CHECK 30. BOOT - SECONDARY FUEL VALVE 41. JET - SECONDARY SLOW (LARGE) 42. JET - SECONDARY MAIN AIR BLEED 45. TUBE - SECONDARY MAIN AIR BLEED 45. TUBE - SECONDARY MAIN AIR BLEED 46. PLUG - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BOD 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.		8. SOLENOID ASSY ANTIDIESELING				
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13. SCREW & LOCKWASHER (2) - BOWL COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREW - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE (LARGE) 44. JET - SECONDARY MAIN AIR BLEED 45. TUBE - SECONDARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER 55. LOCKWASHER 60. SPRING - IDLE ADJUSTING 60. SPRING - IDLE ADJUSTING 60. SPRING - IDLE ADJUSTING 61. THROTTLE BODY ASSY.						
COVER 14. BRACKET - THROTTLE CABLE 15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - JUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 44. JET - SECONDARY MAIN AIR BLEED 45. USER - SECONDARY MAIN JET 47. GASKET - PLUG 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
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15. SCREW & LOCKWASHER (2) - BOWL COVER 16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREW - FULE FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 45. TUBE - SECONDARY EMULSION (SMALL) 46. PUUG - PRIMARY MAIN JET 47. GASKET - PLUG 48. JET - PECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
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16. BOWL COVER ASSY. 17. PIN - FLOAT 18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
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18. FLOAT & LEVER ASSY. 19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POMER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 48. JET - PRIMARY MAIN JET 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 60. SPRING - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
19. GASKET - BOWL COVER 20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 49. PLUG - SECONDARY MAIN JET 50. GASKET - PLUG 51. JET - SCONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - JOLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
20. PUMP ASSY. 21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 50. GASKET - PLUG 51. JET - SECONDARY MAIN JET 52. SCREW & LOCKWASHER (2) - THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
21. BOOT - PUMP 22. POWER PISTON ASSY. 23. NEFOLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEFOLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
22. POWER PISTON ASSY. 23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
23. NEEDLE, SEAT & GASKET ASSY. 24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE THROTTLE BODY 53. SCREW (HOLLOW) - THROTTLE BOD 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 60. SPRING - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
24. SCREEN - FUEL FILTER 25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEFOLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 35. SCREW (HOLLOW) - THROTTLE BODY 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJUSTING 61. THROTTLE BODY ASSY.			THROTTLE BODY			
25. JET - PRIMARY SLOW AIR BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEFOLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 54. BAFFLE WASHER - HOLLOW SCREW 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.			53. SCREW (HOLLOW) - THROTTLE BODY			
BLEED. 26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 55. LOCKWASHER - HOLLOW SCREW 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE LIMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJUSTING 61. THROTTLE BODY ASSY.		25. JET - PRIMARY SLOW AIR				
26. JET - SECONDARY SLOW AIR BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEFOLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 56. BOWL ASSY. 57. GASKET - THROTTLE BODY 58. CAP - IDLE IMITER (WHEN USED 59. NEEDLE - IDLE ADJUSTING 60. SPRING - IDLE ADJU. NEEDLE 61. THROTTLE BODY ASSY.						
BLEED 27. SPRING - PUMP RETURN 28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 57. GASKET - THROTTLE BODY 58. CAP - IDLE ADJUSTING 60. SPRING - IDLE ADJUSTING 61. THROTTLE BODY ASSY.	1					
28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEFOLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE 59. NEFOLE - IDLE ADJUSTING 60. SPRING - IDLE ADJ. NEEDLE 61. THROTTLE BODY ASSY.						
28. BALL - PUMP INTAKE CHECK (SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE		27. SPRING - PUMP RETURN				
(SMALL) 29. NEEDLE - PUMP DISC. CHECK 30. BOOT - SECONDARY FUEL VALVE						
30. BOOT - SECONDARY FUEL VALVE						
DILINGED			61. THROTTLE BODY ASSY.			
PLUNGER CLEANING			I			
		PLUNGER CLEA	NING			

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 SULTABLE SOLVENT. BLOW
OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK
CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTION:
BE VERY CAREFUL NOT TO LEAVE FUEL BOWL ASSY. (56) IN CLEANING
SOLVENT TO LONG BECAUSE OF THE GLASS WINDOW RUBBER SEAL WHICH
IS NOT REPLACEABLE. DO NOT SOAK ASSEMBLYS WITH ATTACHED PLASTIC
PARTS FOR A LONG PERIOD OF TIME. DO NOT SOAK ANY PARTS CONTAINING
RUBBER OR DIAPHRAGM AND SOLENDID ASSEMBLYS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS NECESSARY FOR CARBURETOR BEING SERVICED.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (59) - TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT 2 TURNS. (DO NOT INSTALL IDLE LIMITER CAPS AT THIS TIME.)

BAFFLE WASHER (54) - WHEN INSTALLING, BAFFLE BLOCKS PRIMARY SIDE OF PASSAGE.

SECONDARY FUEL VALVE PLUNGER ASSY. (31) - WHEN INSTALLING ALINE OPENING IN SLEEVE WITH PASSAGE IN FUEL BOWL.

PUMP RETURN SPRING (27) - INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER.

POWER PISTON (22) - AFTER INSTALLING LIGHTLY RESTAKE CASTING AROUND

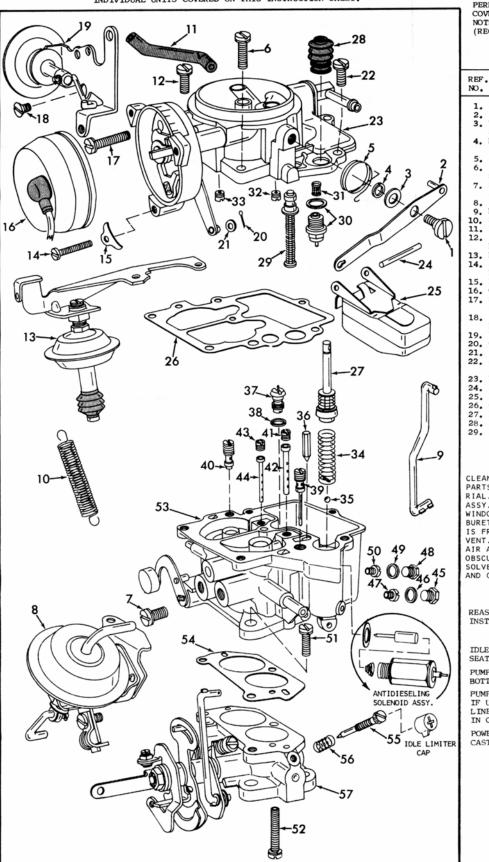
PUMP PLUNGER (20) - BEFORE INSTALLING FLEX LEATHER OUTWARD SLIGHTLY. SOAK CUP IN GASOLINE, KEROSENE OR OIL FOR A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

PUMP LEVER (3) - HOOK PUMP ROD IN INNER HOLE OF LEVER.

INSTRUCTION SHEET HITACHI CARBURETOR — MODEL DCH-306

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.(29).CAUTION: NOTE SIZES OF JETS AND THEIR LOCATION FOR PROPER ASSY. (RECORD SIZES BELOW.)

NOMENCLATURE

REF.

NO.	NO.
1. SCREW - PUMP LEVER 2. PUMP LEVER	30. NEEDLE, SEAT & GASKET ASSY.
3. WASHER - PUMP LEVER	31. SCREEN - FUEL FILTER
SCREW	32. JET - PRIMARY SLOW AIR
4. LOCKWASHER - PUMP LEVER SCREW	BLEED SECONDARY SLOW
5. SPRING - PUMP LEVER	AIR BLEED
6. SCREW & LOCKWASHER(1)-	34. SPRING - PUMP RETURN
SPEED UP CONTROL	35. BALL - PUMP INTAKE CHECK
7. SCREW & LOCKWASHER(2)-	36. NEEDLE-PUMP DISCHARGE
SPEED UP CONTROL	CHECK
8. SPEED UP CONTROL ASSY.	37. POWER VALVE
9. ROD - PUMP LEVER	38. GASKET - POWER VALVE 39. JET - PRIMARY SLOW
10. SPR ING_THROTTLE RETURN 11. HOSE - VAC. BREAK	39. JET - PRIMARY SLOW 40. JET - SECONDARY SLOW
12. SCREW & LOCKWASHER(2)-	41. JET - PRIMARY MAIN AIR
DASHPOT BRACKET	BLEED
13. DASHPOT & BRACKET ASSY.	42. TUBE - PRIMARY EMULSION
14. SCREW (3) - CHOKE COVER	(LARGE)
RETAINER (2SHORT, 1 LONG)	43. JET - SECONDARY MAIN
15. RETAINER (3)-CHOKE COVER	A IR BLEED
16. CHOKE COVER ASSY.	44. TUBE - SECONDARY EMULSION (SMALL)
17. SCREW & LOCKWASHER(2)- CHOKE HOUSING	45. PLUG - PRIMARY MAIN JET
18. SCREW - VACUUM BREAK	46. GASKET - PLUG
BRACKET	47. JET - PRIMARY MAIN
19. VACUUM BREAK ASSY.	48. PLUG-SECONDARY MAIN JET
20. COTTER PIN - CHOKE ROD	49. GASKET - PLUG
21. WASHER - CHOKE ROD	50. JET - SECONDARY MAIN
22. SCREW & LOCKWASHER(2)-	51. SCREW & LOCKWASHER (2)-
BOWL COVER	THROTTLE BODY 52. SCREW & LOCKWASHER
23. BOWL COVER ASSY. 24. PIN - FLOAT	(HOLLOW) - THROTTLE BODY
25. FLOAT & LEVER ASSY.	53. BOWL ASSEMBLY
26. GASKET - BOWL COVER	54. GASKET - THROTTLE BODY
27. PUMP ASSY.	55. NEEDLE - IDLE ADJUSTING
28. BOOT - PUMP	56. SPRING - IDLE ADJ. NEEDLE
29. POWER PISTON ASSY.	57. THROTTLE BODY ASSEMBLY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATE-RIAL. CAUTION: BE VERY CAREFUL NOT TO LEAVE FUEL BOWL ASSY. (53) IN CLEANING SOLVENT TOO LONG BECAUSE OF GLASS WINDOW RUBBER SEAL WHICH IS NOT REPLACEABLE. 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 RUBBER OR PLASTIC PARTS IN SOLVENTS. BEING CAREFUL OF DIAPHRAGM ASSY'S (8)(13)(19) AND CHOKE COVER ASSY. (16).

REASSEMBLY

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

SPECIAL INSTRUCTIONS

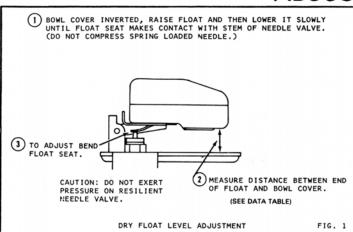
IDLE ADJUSTING NEEDLE (55) - TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT 2 TURNS.

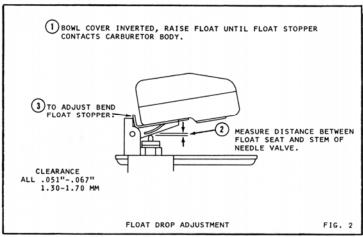
PUMP RETURN SPRING (34) - INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER.

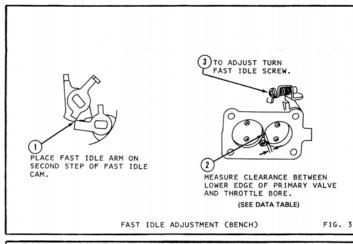
PUMP PLUNGER (27) - REMOVE PAPER SLEEVE FROM LEATHER CUP IF USED, FLEX LEATHER OUTWARD SLIGHTLY, SOAK CUP IN GASO-LINE, KEROSENE OR OIL FOR A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

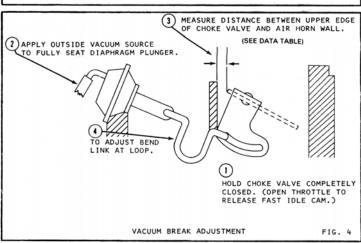
POWER PISTON (29) - AFTER INSTALLATION LIGHTLY RESTAKE CASTING AROUND WASHER.

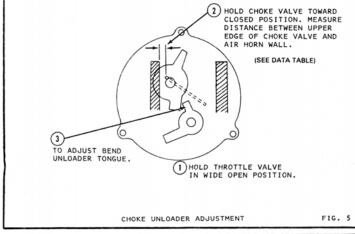
ADJUSTMENTS

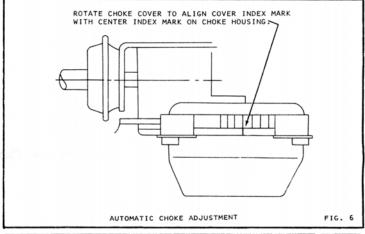


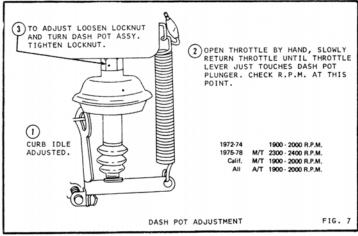


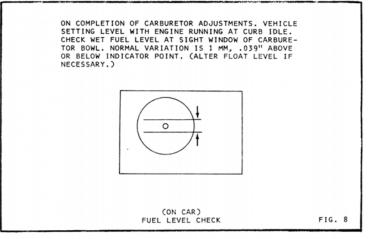












ADJUSTMENT DATA TABLE

		Float Level Setting		Fast Idle Adjustment		Vacuum Break Adjustment		Unloader	
Application		Decimal	MM	Decimal	MM	Decimal	MM	Decimal	MM
DATSUN									
1970-71		.413"	10.50MM						
1972-74	M/T	.413"	10.50MM	.031"034"	.8088MM	.044"049"	1.14"-1.26MM	.085"	2.17MM
	A/T	.413"	10.50MM	.042"046"	1.07-1.17MM	.047"053"	1.20-1.33MM	.085"	2.17MM
1975-77	M/T	.590"	15.MM	.031"034"	.8088MM	.053"058"	1.36-1.48MM	.085"	2.17MM
	A/T	.590"	15.MM	.042"046"	1.07-1.17MM	.056"061"	1.44-1.56MM	.085"	2.17MM
1978		.590"	15.MM	.028038"	.7384MM	.078"085"	1.98-2.16MM	.085"	2.17MM
1979 5sp. H/B Fed.	M/T	.590"	15.MM	.029"034"	.7387MM	.079"085"	1.98-2.17MM	.093"	2.36MM
1979	A/T	.590"	15.MM	.039"-045"	11.14MM	.071"078"	1.80-1.98MM	.094"	2.36MM
1979-80	M/T	.590"	15.MM	.029"034"	.7487MM	.071"078"	1.80-1.98MM	.093"	2.36MM
HONDA									
1973-75		.440"	11.10MM	.032"	.80MM				
MAZDA									
1976-78	Fed.	.440"	11.10MM	.052"	1.32MM	.044"056"	1.15-1.45M		
	Calif.	.440"	11.10MM	.052"	1.32MM	.063"077"	1.61"-1.95MM		
1979		.440"	11.10MM	.054"	1.37MM	.050"	1.27MM	.090"	2.28MM