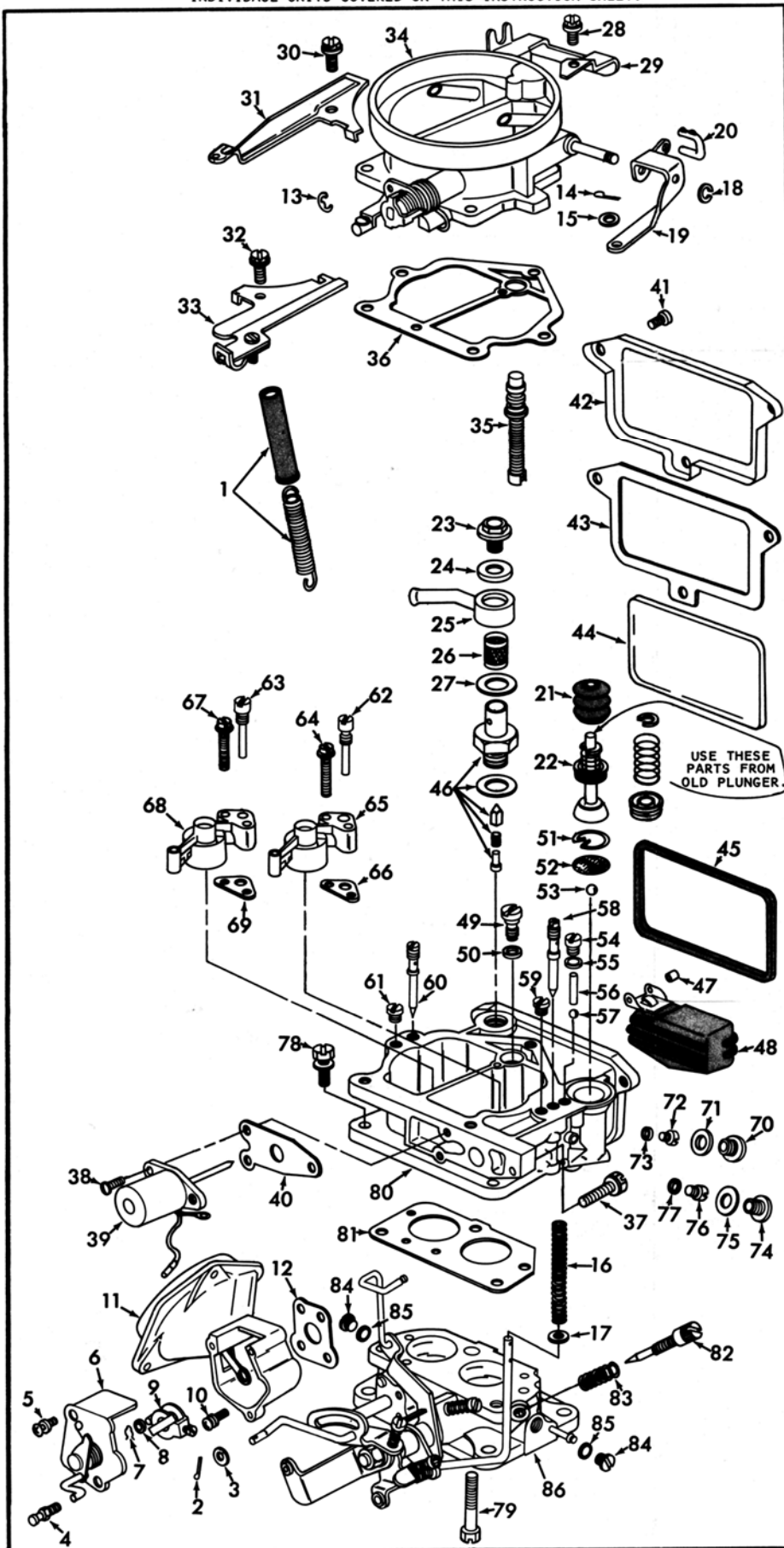


INSTRUCTION SHEET NIKKI (STROMBERG) CARBURETOR MAZDA

IS-50-512

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. NOTE: JETS AND VENTURIS ARE COLOR-CODED. PRIMARY JETS ARE BRASS COLOR AND SECONDARY JETS ARE SILVER COLOR (BE SAFE - MARK VENTURIS AND RECORD SIZES OF JETS BELOW). DISASSEMBLY OF SECONDARY DIAPHRAGM ASSY. (11) IS NOT NECESSARY UNLESS DIAPHRAGM IS BEING REPLACED. VACUUM POWER PISTON (35) CAN BE REMOVED BY BOUNCING STEM.

NOMENCLATURE

REF. NO.	REF. NO.
1. SPRING - THROTTLE RETURN	43. GASKET - COVER
2. COTTER PIN-THROTTLE LEVER LINK	44. LEVEL - GAUGE
3. WASHER-THROTTLE LEVER LINK	45. SEAL - LEVEL GAUGE
4. STUD - SPRING POST	46. NEEDLE, SEAT & GASKET ASSY.
5. SCREW & LOCKWASHER - SEC. RETURN COVER	47. COLLAR - FLOAT PIN
6. COVER ASSY. - SEC. LINK RETURN	48. FLOAT ASSY.
7. RETAINER-SEC. DIAPHRAGM STEM	49. VALVE - POWER
8. WASHER - SEC. DIAPHRAGM STEM	50. GASKET - POWER VALVE
9. LEVER ASSY.-SEC. DIAPHRAGM STEM	51. RETAINER - SCREEN
10. SCREW & LOCKWASHER (3) - SEC. DIAPH. ASSY.	52. SCREEN - PUMP CHECK
11. SECONDARY DIAPHRAGM ASSY.	53. BALL - PUMP INTAKE CHECK
12. GASKET - SEC. DIAPHRAGM ASSY.	54. PLUG - PUMP CHECK
13. RETAINER - FAST IDLE LINK	55. GASKET - PLUG
14. COTTER PIN - PUMP ROD	56. WEIGHT - DISC. BALL
15. WASHER - PUMP ROD	57. BALL - PUMP DISC. CHECK
16. SPRING - PUMP ROD	58. JET - SLOW
17. WASHER - PUMP ROD	59. JET - SLOW AIR BLEED
18. RETAINER - PUMP LEVER	60. JET - STEP
19. LEVER - PUMP	61. JET - STEP AIR BLEED
20. LINK - PUMP	62. JET - PRI. MAIN AIR BLEED
21. BOOT - PUMP STEM	33. JET - SEC. MAIN AIR BLEED
22. PUMP - ASSY.	64. SCREW & LOCKWASHER (2) - PRI. VENTURI
23. BOLT - BANJO	65. VENTURI ASSY. - PRIMARY
24. WASHER - BOLT	66. GASKET - VENTURI
25. BANJO - FUEL INLET	67. SCREW & LOCKWASHER (2) - SEC. VENTURI
26. SCREEN - FUEL INLET	68. VENTURI ASSY. - SECONDARY
27. WASHER - BANJO (LOWER)	69. GASKET - VENTURI
28. SCREW & LOCKWASHER-BANJO BRACKET	70. PLUG - SEC. MAIN JET
29. BRACKET - BANJO LOCK	71. GASKET - PLUG
30. SCREW & LOCKWASHER-BRACKET	72. JET - SEC. MAIN
31. BRACKET - SPRING	73. GASKET - JET
32. SCREW & LOCKWASHER-CABLE BRACKET	74. PLUG - PRI. MAIN JET
33. BRACKET - CABLE	75. GASKET - PLUG
34. AIR HORN ASSY.	76. JET - PRI. MAIN
35. PISTON ASSY. - VAC. POWER	77. GASKET - JET
36. GASKET - AIR HORN	78. SCREW & LOCKWASHER (2) - THROTTLE BODY
37. SCREW & LOCKWASHER-SOLENOID GRD. WIRE	79. SCREW & LOCKWASHER - THROTTLE BODY (HOLLOW)
38. SCREW (2) - SOLENOID	80. BOWL ASSY.
39. SOLENOID ASSY.-IDLE SHUT OFF	81. GASKET - THROTTLE BODY
40. GASKET - SOLENOID ASSY.	82. NEEDLE - IDLE ADJUSTING
41. SCREW (3) - COVER	83. SPRING - IDLE ADJ. NEEDLE
42. COVER - LEVEL GAUGE	84. PLUG-IDLE PORT (PRI. & SEC.)
	85. GASKET - PLUG (PRI. & SEC.)
	86. 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 UNITS SUCH AS FLOAT (48), SECONDARY DIAPHRAGM ASSY. (11), SOLENOID (39) OR PARTS WITH RUBBER IN CLEANING SOLVENTS.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (82) - TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 2 TURNS.

NEEDLE & SEAT ASSY. (46) - SERVICE NEEDLE & SEAT USES ONE GASKET (NOT SHIM TYPE).

PUMP PLUNGER (22) - REMOVE PAPER SLEEVE FROM LEATHER CUP IF USED. FLEX LEATHER OUTWARD SLIGHTLY. SOAK CUP IN LIGHT OIL FOR A FEW MINUTES PRIOR TO PLACING IN CARBURETOR.

ADJUST CURB IDLE AS PER ENGINE DECAL OR CAR SERVICE MANUAL.

ADJUSTMENTS

