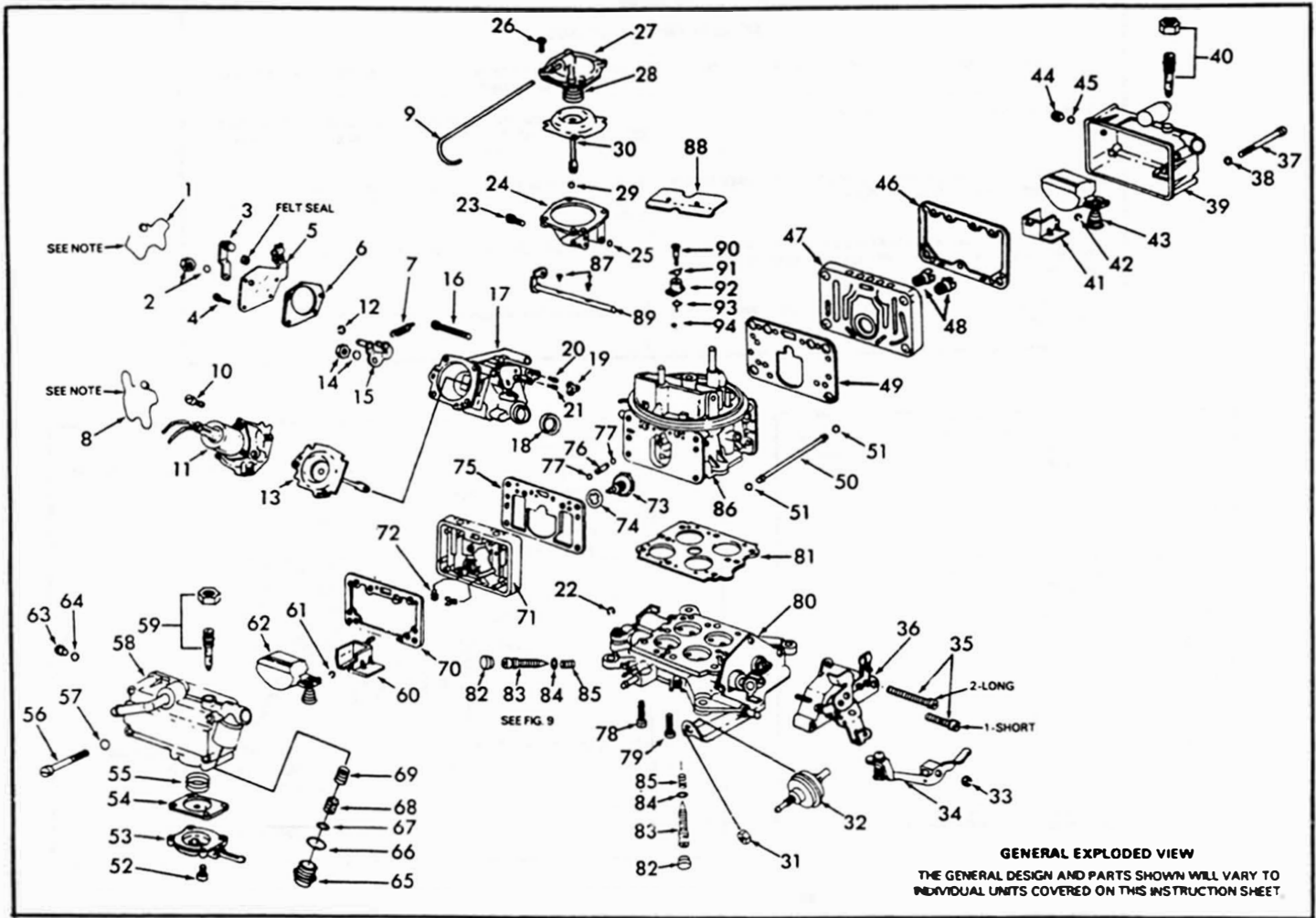


INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE HOLLEY MODEL 4190EG

50-750



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. IDENTIFY PRIMARY & SECONDARY FLOATS AS THEY ARE REMOVED FROM FUEL BOWLS. NOTE: THE CHOKE PLATE RETAINING SCREWS ARE STAKED AT THE THREADED END AND THIS STAKING MUST BE FILED OFF BEFORE REMOVING SCREWS (BE CAREFUL NOT TO DAMAGE THE CHOKE SHAFT OR VENTURI WHILE FILING THE SCREWS). DO NOT REMOVE SECONDARY IDLE SCREW PLUGS OR ADJUSTING SCREWS (FACTORY SET FOR EMISSION CONTROLS). FOR TAMPERPROOF IDLE MIXTURE SCREW REMOVAL SEE FIG. 5.

NOMENCLATURE

REF. NO.	REF. NO.
1. SEAL & WIRE-COVER	30. DIAPHRAGM-SECONDARY
2. NUT & LOCKWASHER-LEVER	31. NUT-THROTTLE KICKER
3. LEVER-CHOKE WIRE	32. DECAL THROTTLE KICKER ASSY.
4. SCREW & LOCKWASHER (4)-COVER	33. E-CLIP-LEVER
5. COVER-GOVERNOR HOUSING	34. LEVER ASSEMBLY-PUMP
6. GASKET-GOVERNOR HOUSING	35. SCREW & LOCKWASHER (3)-THROTTLE OPERATING SHAFT HOUSING
7. SPRING-GOVERNOR	36. HOUSING ASSEMBLY-THROTTLE OPERATING SHAFT
8. SEAL & WIRE-DIAPHRAGM COVER	37. SCREW (4)-SECONDARY FUEL BOWL
9. HOSE-GOV. TO SEC. DIAPHRAGM COVER	38. GASKET (4)-SECONDARY BOWL SCREW
10. SCREW & LOCKWASHER (4) DIAPHRAGM & SOLENOID COVER	39. BOWL ASSEMBLY-SECONDARY FUEL
11. COVER ASSY.-DIAPHRAGM & SOLENOID	40. NEEDLE & SEAT ASSY-SECONDARY
12. E-CLIP-DIAPHRAGM STEM RETAINER	41. BAFFLE-SECONDARY FUEL
13. DIAPHRAGM ASSEMBLY	42. RETAINER-SECONDARY FLOAT
14. NUT & LOCKWASHER-GOV. LEVER	43. FLOAT & SPRING ASSEMBLY-SECONDARY
15. LEVER-GOVERNOR	44. PLUG-FUEL LEVEL
16. SCREW & LOCKWASHER (3) GOVERNOR HOUSING	45. GASKET-PLUG
17. GOVERNOR HOUSING ASSEMBLY	46. GASKET-SECONDARY FUEL BOWL
18. SEAL-GOVERNOR HOUSING	47. METERING BODY-SECONDARY
19. GASKET-GOVERNOR HOUSING	48. JET (2)-SECONDARY MAIN
20. JET "A" GOVERNOR HOUSING	49. GASKET-PRIMARY ENRICHMENT VALVE
21. JET "B" GOVERNOR HOUSING	50. TUBE-FUEL LINE
22. RETAINER-SEC. DIAPHRAGM STEM	51. O-RING (2)-FUEL LINE TUBE
23. SCREW & LOCKWASHER (3) SEC. DIAPHRAGM HOUSING	52. SCREW & LOCKWASHER (4) PUMP COVER
24. SEC. DIAPHRAGM HOUSING ASSY.	53. COVER ASSEMBLY-PUMP DIAPHRAGM
25. GASKET-SEC. DIAPHRAGM HOUSING	54. DIAPHRAGM-PUMP
26. SCREW & LOCKWASHER (4)-COVER	55. SPRING-PUMP DIAPHRAGM
27. COVER-SECONDARY DIAPHRAGM	56. SCREW (4)-PRIMARY FUEL BOWL
28. SPRING-SECONDARY DIAPHRAGM	57. GASKET (4)-PRIMARY FUEL BOWL
29. BALL-SEC. VACUUM CHECK	58. BOWL ASSEMBLY-PRIMARY

REF. NO.	REF. NO.
59. NEEDLE & SEAT ASSEMBLY-PRIMARY	78. SCREW & LOCKWASHER (7) THROTTLE BODY
60. BAFFLE-PRIMARY FUEL	79. SCREW & LOCKWASHER (1) THROTTLE BODY
61. RETAINER-PRIMARY FLOAT	80. THROTTLE BODY ASSEMBLY
62. FLOAT & SPRING ASSEMBLY-PRIMARY	81. GASKET-THROTTLE BODY
63. PLUG-FUEL LEVEL	82. PLUG (2)-IDLE ADJUSTING SCREW
64. GASKET-PLUG	83. SCREW (2)-IDLE ADJUSTING
65. FITTING-FUEL INLET	84. O-RING-IDLE ADJUSTING SCREW
66. GASKET-FITTING	85. SPRING (2)-IDLE ADJUSTING SCREW
67. GASKET-FILTER	86. MAIN BODY ASSEMBLY
68. FILTER-FUEL	87. SCREW (2)-CHOKE PLATE
69. SPRING-FILTER	88. PLATE-CHOKE
70. GASKET-PRIMARY FUEL BOWL	89. SHAFT-CHOKE PLATE
71. METERING BODY-PRIMARY	90. SCREW-PUMP NOZZLE
72. JET (2)-MAIN	91. LOCKPLATE-PUMP NOZZLE
73. VALVE-PRIMARY ENRICHMENT	92. NOZZLE-PUMP DISCHARGE
74. GASKET-PRIMARY ENRICHMENT VALVE	93. GASKET-PUMP NOZZLE
75. GASKET-PRIMARY METERING BODY	94. BALL-PUMP DISCHARGE CHECK
76. TUBE-PUMP PASSAGE	
77. O-RING (2)-TUBE	

CLEANING

CLEANING MUST BE DONE WITH UNIT DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL USING A COLD IMMERSION TYPE CARBURETOR CLEANER. MAKE CERTAIN THE THROTTLE BORES ARE FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE 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 ASSEMBLIES WITH ATTACHED PLASTIC PARTS FOR A LONG PERIOD OF TIME. DO NOT SOAK ANY PARTS CONTAINING RUBBER, FLOATS, OR DIAPHRAGM ASSEMBLIES.

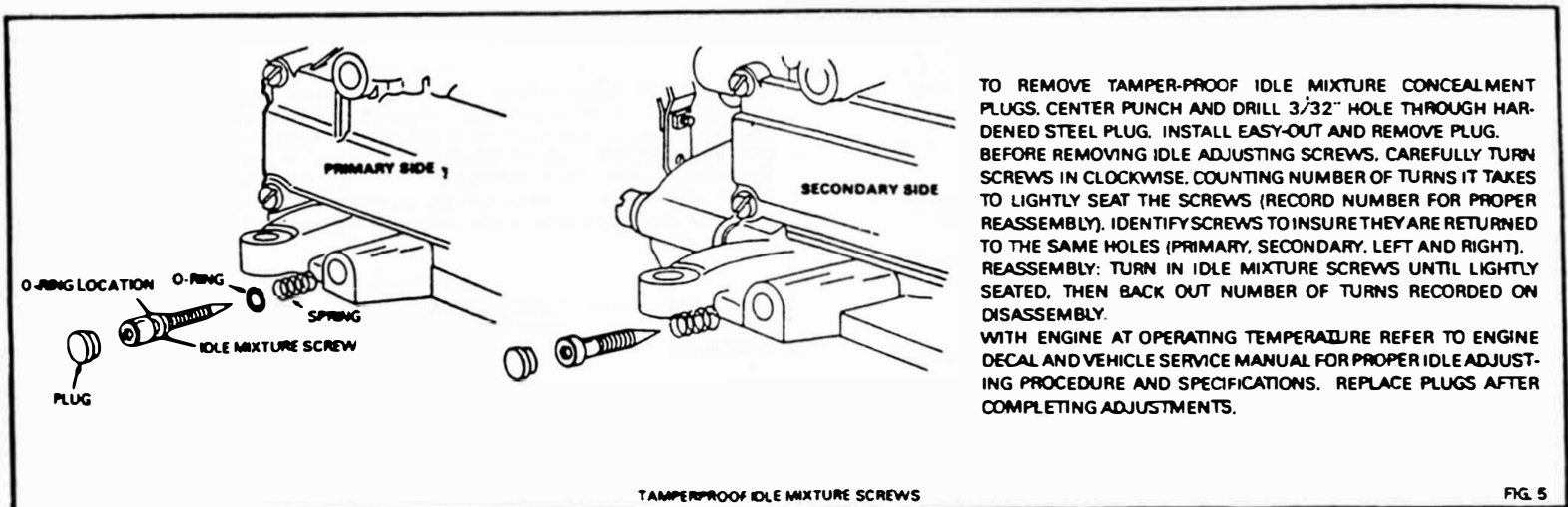
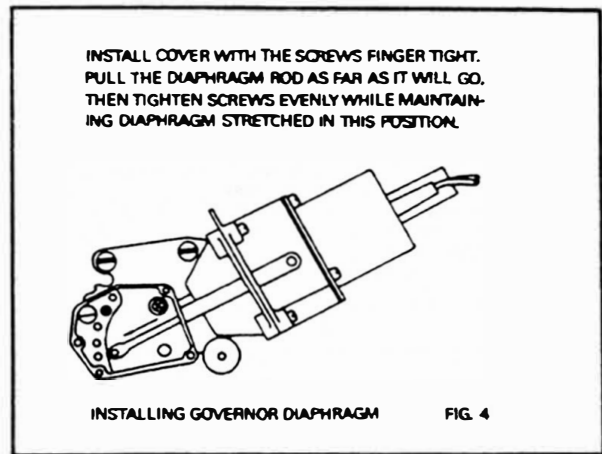
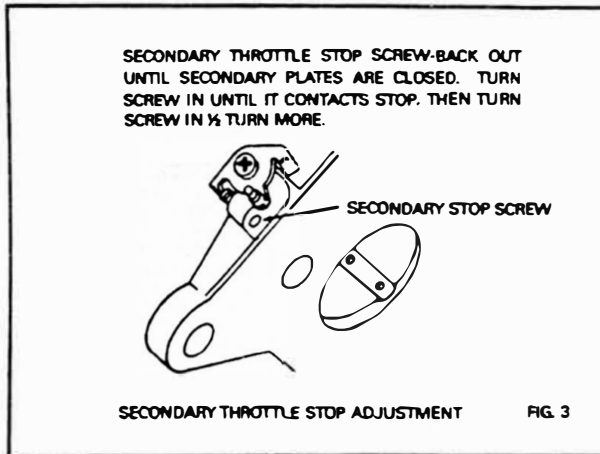
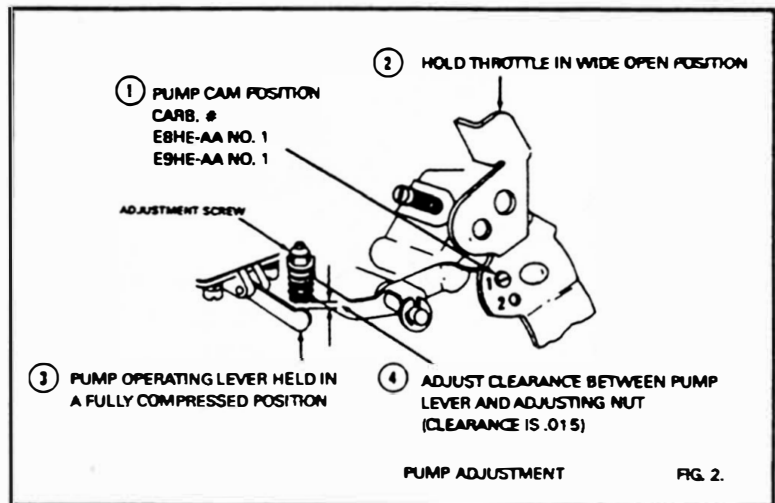
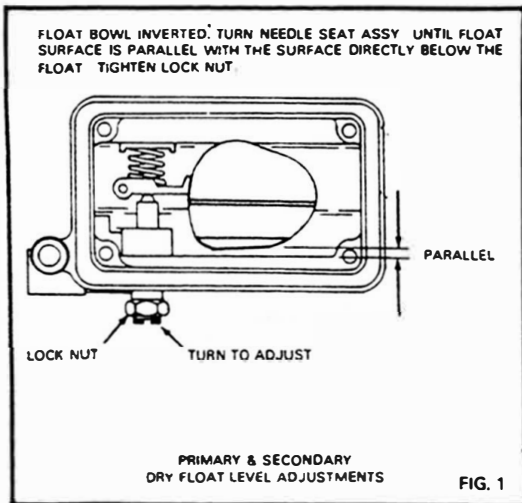
REASSEMBLY

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

NOTE: ITEMS #1 AND #8 ARE NOT KIT SERVICE REPLACEMENT PARTS.

SPECIAL INSTRUCTIONS

1. CHOKE PLATE SCREWS-STAKE SCREWS AFTER INSTALLATION.
2. PRIMARY IDLE ADJUSTING SCREWS-SEE FIG. 5.
3. SCREWS LISTED BELOW MUST BE TIGHTENED IN THREE STAGES CROSSWISE TO REACH CORRECT TORQUE.
4. THROTTLE BODY GASKET-BE SURE HOLES ARE PROPERLY MATCHED TO THROTTLE BODY. TORQUE THROTTLE BODY SCREWS TO 50 INCH POUNDS.
5. ENRICHMENT VALVE-INSTALL WITH GASKET AND TORQUE TO 100 INCH POUNDS.
6. PRIMARY AND SECONDARY FUEL BOWLS-BEFORE INSTALLING MAKE DRY FLOAT LEVEL ADJUSTMENT.
7. BOWL SCREW INSTALLATION-INSTALL GASKETS ON SCREWS BEFORE INSTALLING. THEN TORQUE EVENLY IN STAGES TO 50 INCH POUNDS.
8. FUEL LINE TUBE-INSTALL O-RINGS ON THE EXTREME ENDS OF THE TUBE. THEY WILL ROLL ON THE TUBE WHEN INSTALLING THE FUEL BOWLS.
9. O-RINGS-LUBRICATE LIGHTLY BEFORE INSTALLING.
10. GOVERNOR DIAPHRAGM INSTALLATION-SEE FIG. 4.



TO REMOVE TAMPER-PROOF IDLE MIXTURE CONCEALMENT PLUGS. CENTER PUNCH AND DRILL 3/32" HOLE THROUGH HARDENED STEEL PLUG. INSTALL EASY-OUT AND REMOVE PLUG. BEFORE REMOVING IDLE ADJUSTING SCREWS, CAREFULLY TURN SCREWS IN CLOCKWISE, COUNTING NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT THE SCREWS (RECORD NUMBER FOR PROPER REASSEMBLY). IDENTIFY SCREWS TO INSURE THEY ARE RETURNED TO THE SAME HOLES (PRIMARY, SECONDARY, LEFT AND RIGHT). REASSEMBLY: TURN IN IDLE MIXTURE SCREWS UNTIL LIGHTLY SEATED. THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY. WITH ENGINE AT OPERATING TEMPERATURE REFER TO ENGINE DECAL AND VEHICLE SERVICE MANUAL FOR PROPER IDLE ADJUSTING PROCEDURE AND SPECIFICATIONS. REPLACE PLUGS AFTER COMPLETING ADJUSTMENTS.