INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE **HOLLEY MODEL-4180C**

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. 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.)

TO REMOVE CHOKE COVER RETAINER TAMPER PROOF SCREWS, CAREFULLY HACK-SAW A SLOT IN THE HEAD OF THE SCREW DEEP ENOUGH TO ACCOMODATE A SCREW-DRIVER BIT. CAREFULLY REMOVE THE SCREWS WITH A SCREWDRIVER.

IDENTIFY PRIMARY AND SECONDARY FLOATS AS THEY ARE REMOVED FROM THE FUEL BOWLS, FOR PROPER REASSEMBLY

TO REMOVE PRIMARY AND SECONDARY IDLE MIXTURE CONCEALMENT PLUGS. CENTER PUNCH AND DRILL 3/32" DIAMETER HOLE THROUGH THE HARDENED STEEL PLUG. INSTALL AN EASY OUT AND REMOVE PLUG. BEFORE REMOVING IDLE ADJUSTING NEEDLES, CAREFULLY TURN NEEDLES IN CLOCKWISE COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT THE NEEDLES. (RECORD FOR PROPER REASSEMBLY).

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR 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 ASSYS.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

PUMP DISCHARGE CHECK NEEDLE (79)-REPLACE WITH STEEL BALL. INSTALL BALL THEN USING A BRASS PUNCH AND HAMMER LIGHTLY STAKE BALL FOR A GOOD SEAT

PUMP NOZZLE (78) AND SCREW (76) INSTALLATION-TIGHTEN SCREW SECURELY. USING A FLAT PUNCH AND HAMMER, RESTAKE THE NOZZLE SCREW IN POSITION. (CARE SHOULD BE USED WHEN STAKING THE NOZZLE SO AS NOT TO USE EXCESSIVE FORCE, REMOVE ANY CHIPS FROM CARBURETOR BODY, SEE FIG. 1.

CHOKE PLATE SCREWS (71)-STAKE SCREWS AFTER INSTALLATION.

PRIMARY IDLE ADJUSTING NEEDLES (67)-TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY. (DO NOT INSTALL IDLE NEEDLE CONCEALMENT PLUGS AT THIS TIME.)

SCREWS LISTED BELOW MUST BE TIGHTENED IN THREE STAGES CROSSWISE TO ARRIVE AT THE CORRECT TORQUE.

THROTTLE BODY GASKET (65)-BE SURE HOLES ARE PROPERLY MATCHED TO THROTTLE BODY. TORQUE THROTTLE BODY SCREWS TO 50 INCH LBS.

ENRICHMENT VALVE (58)-INSTALL WITH GASKET AND TORQUE TO 100 INCH LBS.

PRI AND SEC. FUEL BOWL (43) (23)-BEFORE INSTALLING MAKE DRY FLOAT LEVEL ADJUSTMENT.

BOWL SCREW INSTALLATION (41) (21)-INSTALL GASKETS (42) (22) ON SCREWS BEFORE INSTALLING, THEN TORQUE EVENLY IN STAGES TO 50 INCH LBS.

FUEL LINE TUBE (35)-INSTALL O-RINGS (36) ON THE EXTREME ENDS OF THE TUBE, THEY WILL ROLL ON THE TUBE WHEN INSTALLING THE FUEL BOWLS.

O-RINGS-LUBRICATE LIGHTLY BEFORE INSTALLING

NOMENCLATURE

REF NO SCREW (2)-SOLO POT SOLO POT ASSY. SCREW (2)-RETAINER 2.

SCREW (1)-RETAINER **RETAINER-CHOKE COVER**

6. CHOKE COVER ASSY.
GASKET-CHOKE COVER RETAINER-CHOKE ROD

SCREW & LKWSHR. (3)-CHOKE HOUS ING CHOKE HOUSING ASSY. 10.

GASKET-CHOKE HOUSING (O-RING 1984-85)

RETAINER-SEC. DIAPHRAGM LINK 13

SCREW & LKWSHR. (3)-SEC. DIAPH. HSG.
SEC. DIAPHRAGM HSG. ASSY.
GASKET-SEC. DIAPH. HSG. (0-RING 1984-85)
SCREW & LKWSHR. (4)-COVER
COVER-SEC. DIAPHRAGM
SPRING-SEC. DIAPHRAGM

18. DIAPHRAGM-SECONDARY

BALL-SEC. DIAPHRAGM CHECK SCREW (4)-SEC. FUEL BOWL GASKET (4)-SEC. BOWL SCREW

23.

BOWL ASSY.-SEC. FUEL NEEDLE & SEAT ASSY.-SEC. BAFFLE-SEC. FUEL 24.

RETAINER-SEC. FLOAT 27. 28. FLOAT & SPRING ASSY.-SEC. PLUG-FUEL LEVEL

GASKET-PLUG SCREW (6)-SEC. METERING BODY 30

METERING BODY-SEC. **GASKET-METERING BODY**

PLATE-METERING BODY
GASKET-FUEL BOWL & METERING BODY

TUBE-FUEL LINE 35.

O-RING (2)-FUEL LINE TUBE SCREW & LKWSHR. (4)-PUMP COVER COVER ASSY.-PUMP DIAPHRAGM

38.

DIAPHRAGM-PUMP

SPRING-PUMP DIAPHRAGM SCREW (4)-PRI. FUEL BOWL 40 41.

GASKET (4)-PRI. BOWL SCREW

BOWL ASSY.-PRIMARY NEEDLE & SEAT ASSY.-PRI. BAFFLE-PRI. FUEL 43.

44

45.

RETAINER-PRI. FLOAT FLOAT & SPRING ASSY.-PRI.

48. PLUG-FUEL LEVEL **GASKET-PLUG**

50 FITTING-FUEL INLET

51. GASKET-FITTING

GASKET-FILTER 52.

FILTER-FUEL 54.

SPRING-FILTER
GASKET-PRI. FUEL BOWL 55.

METERING 80DY-PRI.

JET (2)-MAIN VALVE-PRI. ENRICHMENT 58.

GASKET-PRI. ENRICHMENT VALVE

GASKET-PRI. METERING BODY TUBE-PUMP PASSAGE

O-RING (2)-PASSAGE TUBE 62.

SCREW & LKWSHR. (6)-THROTTLE BODY

THROTTLE BODY ASSY

65 GASKET-THROTTLE BODY

PLUG (2)-PRI. IDLE NEEDLE 66.

NEEDLE (2)-PRI. IDLE ADJUSTING

O-RING (2)-PRI. IDLE NEEDLE SPRING (2)-PRI. IDLE ADJ. NEEDLE

69 MAIN BODY ASSY

SCREW (2)-CHOKE PLATE

PLATE-CHOKE

SHAFT-CHOKE PLATE

ROD-CHOKE

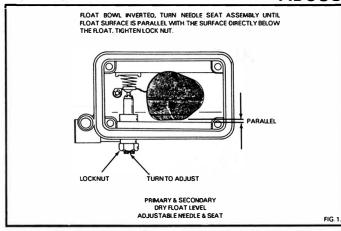
SEAL-CHOKE ROD 75

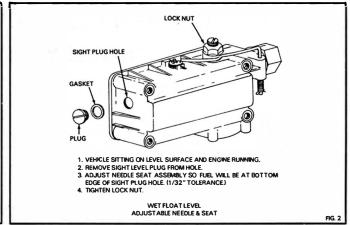
SCREW-PUMP NOZZLE 76.

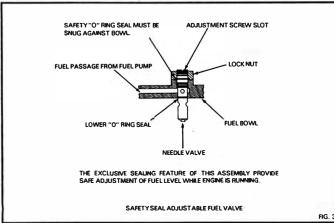
GASKET (2)-PUMP NOZZLE 78 NO77LE-PLIMP DISC

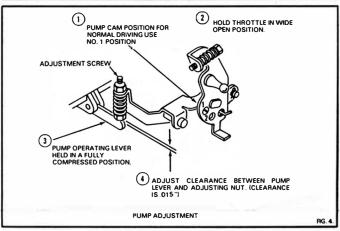
NEEDLE-PLIMP DISC CHECK

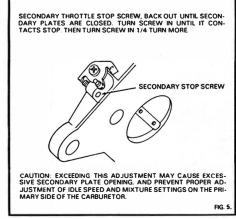
ADJUSTMENTS

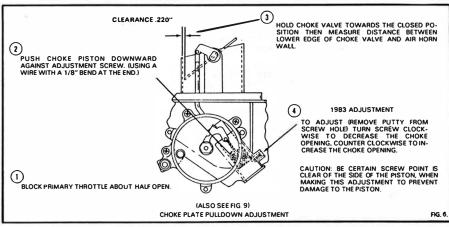


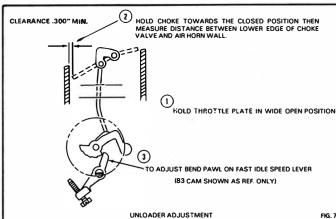


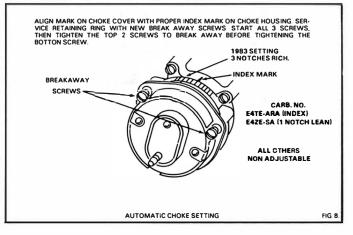


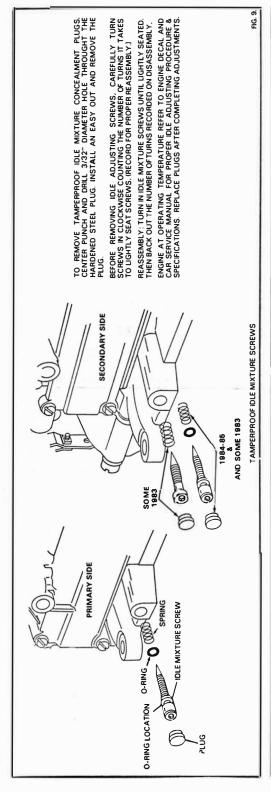


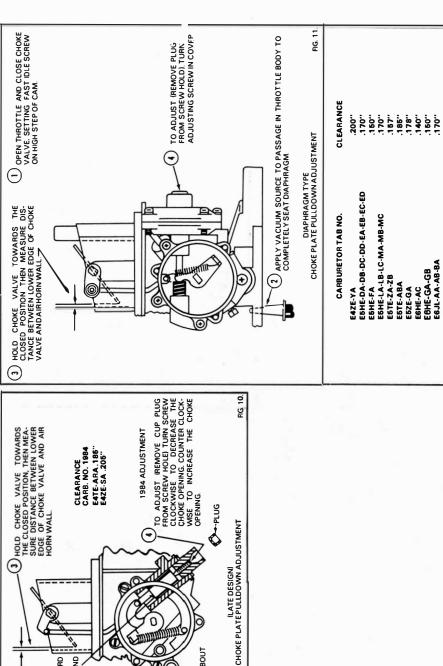












BLOCK PRIMARY THROTTLE ABOUT HALF OPEN.

PUSH CHOKE PETON DOWNWARD AGAINST ADJUSTMENT SCREW (USING A WIRE WITH A 1/8" BKD AT THE END.

