

INSTRUCTION SHEET

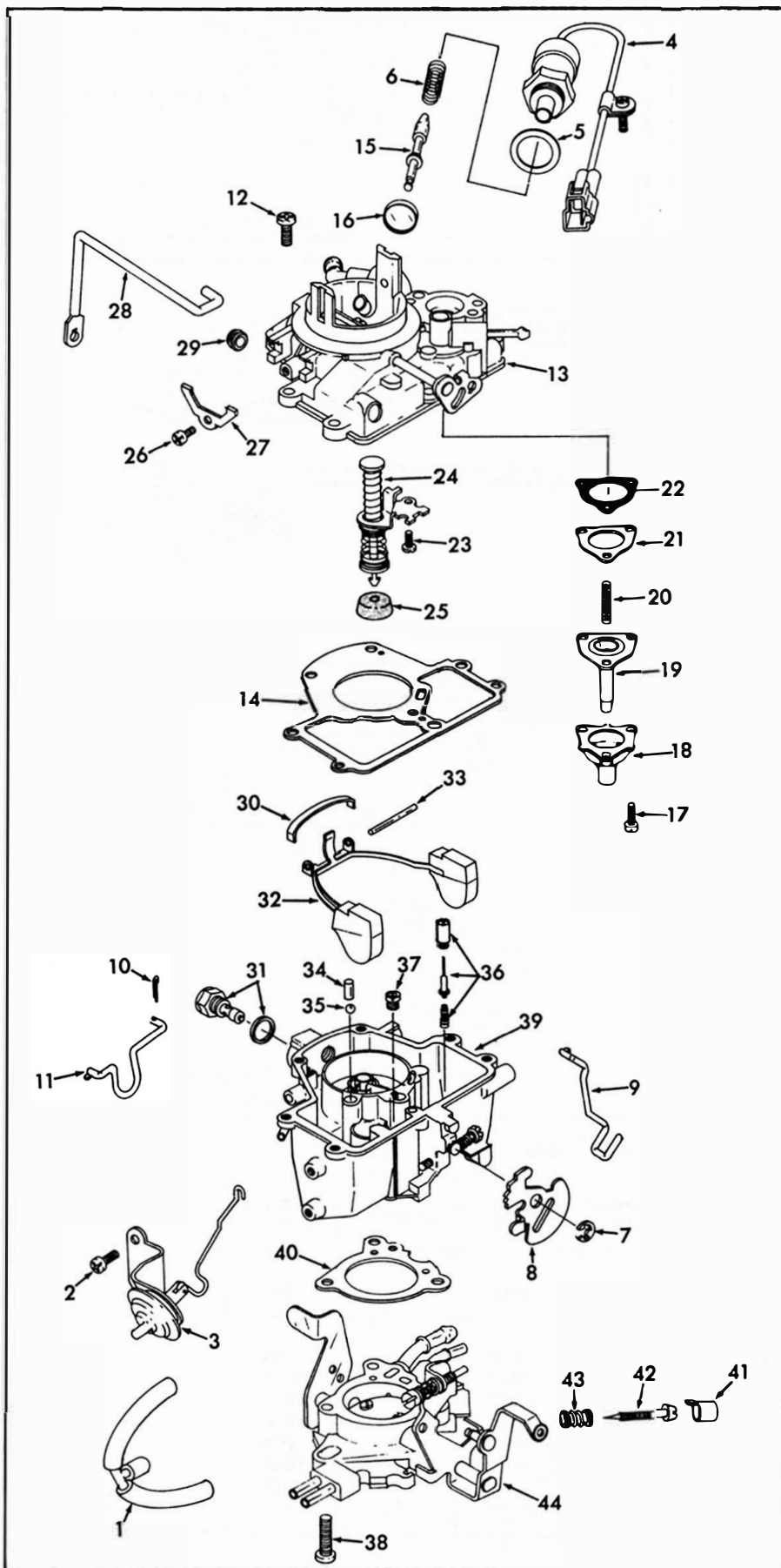
OFF VEHICLE CARBURETOR SERVICE

HOLLEY MODEL - 1945

IS- 50-592-1

GENERAL EXPLODED VIEW

THE GENERAL 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. TO REMOVE VENT VALVE STEM (16) PULL IT OUT OF RUBBER VENT VALVE (18). MAIN WELL TUBE IS NOT REMOVABLE. TAKE EXTREME CARE NOT TO BEND OR DAMAGE TUBE. TO REMOVE IDLE NEEDLE PLUG DRILL A 1/8" HOLE AT A 45° ANGLE TOWARDS PLUG ABOUT 1/4" IN FROM EDGE OF HOUSING. INSERT A BLUNT PUNCH IN HOLE AND DRIVE OUT PLUG.

NOMENCLATURE

REF. NO.	REF. NO.
1. HOSE - CHOKE PULL-OFF	23. SCREW & LOCKWASHER - PUMP BRACKET
2. SCREW (2) - CHOKE PULL-OFF	24. PUMP STEM & BRACKET ASSY.
3. CHOKE PULL-OFF & LINK ASSY.	25. CUP - PUMP
4. SOLENOID ASSY. - BOWL VENT	26. CLAMP - PUMP ROD
5. GASKET - SOLENOID	27. ROD - PUMP OPERATING
6. SPRING - SOLENOID	28. GROMMET - PUMP ROD
7. E-CLIP - FAST IDLE CAM	29. ROD - PUMP OPERATING
8. CAM - FAST IDLE	30. RETAINER - FLOAT PIN
9. ROD - FAST IDLE	31. NEEDLE & SEAT ASSY.
10. COTTER PIN - PUMP LINK	32. FLOAT ASSEMBLY
11. LINK - PUMP	33. PIN - FLOAT
12. SCREW & LOCKWASHER (6) - BOWL COVER	34. WEIGHT - PUMP DISC. BALL
13. BOWL COVER ASSY.	35. BALL - PUMP DISC.
14. GASKET - BOWL COVER	36. POWER VALVE ASSY.
15. PLUNGER STEM - VENT VALVE	37. JET - MAIN
16. VALVE - BOWL VENT	38. SCREW & LOCKWASHER (3) - THROTTLE BODY
17. SCREW & LOCKWASHER (3) - ACTUATOR	39. BOWL ASSY.
18. HOUSING - ACTUATOR DIAPHRAGM ASSY.	40. GASKET - THROTTLE BODY
19. DIAPHRAGM ASSY. - ACTUATOR	41. CAP - IDLE LIMITER
20. SPRING - DIAPHRAGM	42. NEEDLE - IDLE ADJUSTING
21. SPACER - ACTUATOR	43. SPRING - IDLE ADJ. NEEDLE
22. GASKET - SPACER	44. 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 BORES ARE FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE OFF IN A 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 SOLENOID (4), CHOKE PULL-OFF (3), FLOAT (32) OR PARTS MADE OF RUBBER IN CLEANING SOLVENTS.

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 ADJ. NEEDLE (42) - TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 2 TURNS. (DO NOT INSTALL LIMITER CAP AT THIS TIME).

THROTTLE BODY SCREWS (38) - TIGHTEN ALTERNATELY A LITTLE AT A TIME TO COMPRESS THE GASKET EVENLY. TORQUE TO 30 INCH LBS.

BOWL COVER SCREWS (12) - TIGHTEN ALTERNATELY A LITTLE AT A TIME TO COMPRESS THE GASKET EVENLY. TORQUE TO 30 INCH LBS.

A NITROPHYL FLOAT (NON METAL) CAN BE CHECKED FOR FUEL ABSORPTION BY LIGHTLY SQUEEZING BETWEEN FINGERS. IF WETNESS APPEARS ON SURFACE OR FLOAT FEELS HEAVY (CHECK WITH KNOWN GOOD FLOAT) REPLACE THE FLOAT ASSEMBLY.

ADJUSTMENTS