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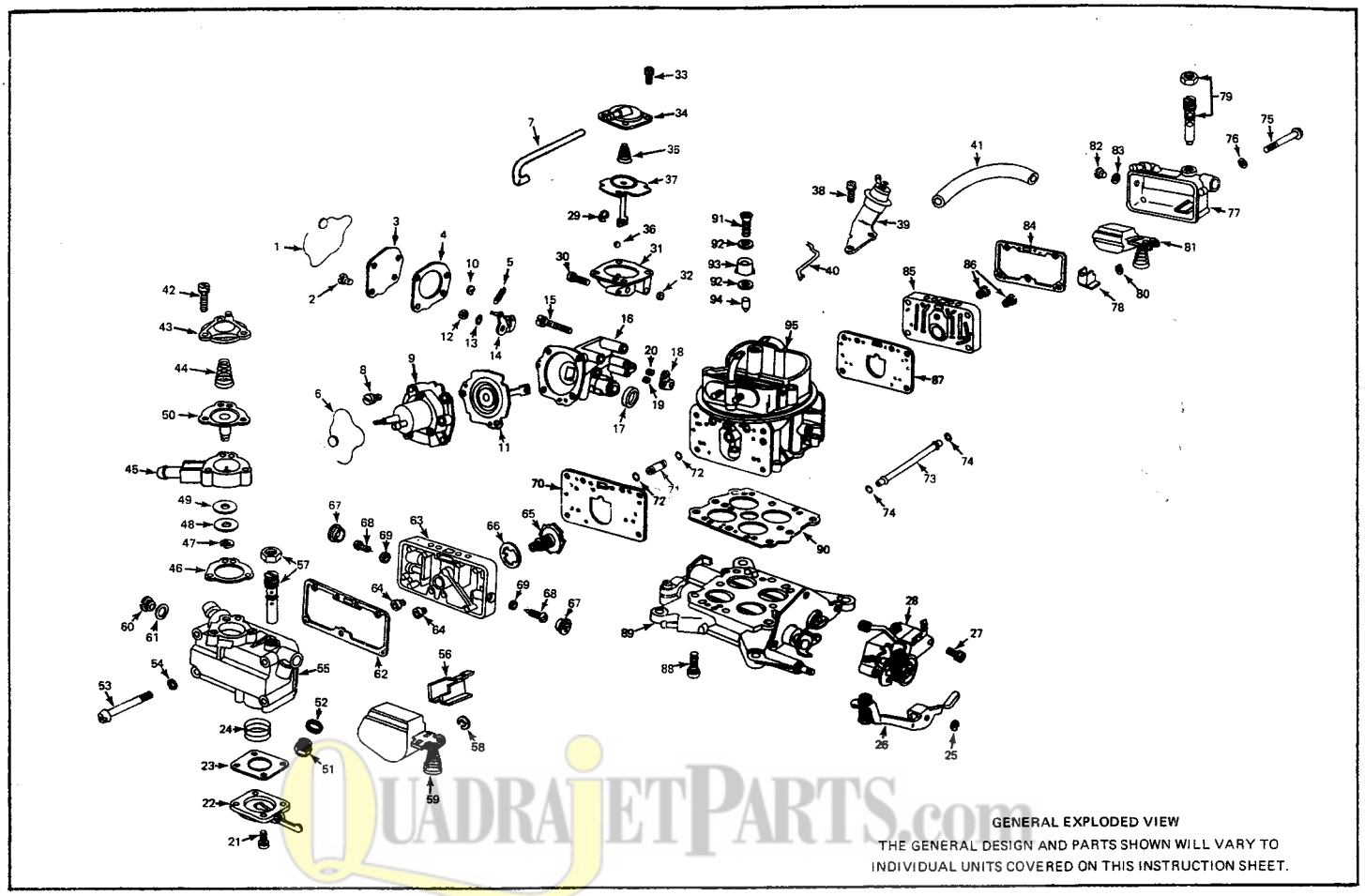
INSTRUCTION SHEET 50-555-1

HOLLEY CARBURETOR MODEL 4150EG



GENERAL EXPLODED VIEW

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

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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: ON SOME MODELS UNHOOK HEAVY SAFETY SPRING ON THROTTLE LEVER ASSEMBLY FOR EASIER ACCESS TO SCREWS (27) HOLDING ASSEMBLY TO CARBURETOR. RECORD JET SIZES AND LOCATION FOR REASSEMBLY.

NOMENCLATURE

REF. NO.	
1.	SEAL & WIRE - COVER
2.	SCREW & LKWSHR. (4) - COVER
3.	COVER - GOVERNOR HOUSING
4.	GASKET - GOVERNOR COVER
5.	SPRING - GOVERNOR
6.	SEAL & WIRE - DIAPHRAGM COVER
7.	HOSE - GOV. TO SEC. DIAPHRAGM COVER
8.	SCREW & LKWSHR. (4) - DIAPHRAGM & SOLENOID
9.	COVER ASSY. - DIAPHRAGM & SOLENOID
10.	E-CLIP - DIAPHRAGM STEM RETAINER
11.	DIAPHRAGM ASSEMBLY
12.	NUT - GOVERNOR LEVER
13.	LOCKWASHER - GOVERNOR LEVER
14.	LEVER - GOVERNOR
15.	SCREW & LKWSHR. (3) - GOVERNOR HOUSING
16.	HOUSING ASSEMBLY
17.	SEAL - GOVERNOR HOUSING
18.	GASKET - GOVERNOR HOUSING
19.	JET "A" - GOVERNOR HOUSING
20.	JET "B" - GOVERNOR HOUSING
21.	SCREW & LKWSHR. (4) - COVER
22.	COVER ASSY. - PUMP DIAPHRAGM
23.	DIAPHRAGM ASSY. - PUMP
24.	SPRING - DIAPHRAGM
25.	E-CLIP - LEVER
26.	LEVER ASSY. - PUMP
27.	SCREW & LKWSHR. (3) - THROTTLE OPERATING SHAFT HOUSING
28.	HOUSING ASSY. - THROTTLE OPERATING SHAFT
29.	E-CLIP - SEC. DIAPH. STEM
30.	SCREW & LKWSHR. (3) - SEC. DIAPHRAGM HOUSING
31.	SECONDARY DIAPH. HOUSING ASSY.
32.	GASKET - SEC. DIAPHRAGM HOUSING
33.	SCREW & LKWSHR. (4) - COVER
34.	COVER - SEC. DIAPHRAGM
35.	SPRING - SEC. DIAPHRAGM
36.	BALL - SEC. VACUUM CHECK
37.	DIAPHRAGM - SECONDARY
38.	SCREW & LKWSHR. (2) - THROTTLE POSITIONER
39.	THROTTLE POSITIONER
40.	LINK - THROTTLE POSITIONER
41.	HOSE - VENT CONNECTOR
42.	SCREW & LKWSHR. (3) - BOWL VENT ASSY. (CALIF.)
43.	COVER - VENT ASSY.
44.	SPRING - DIAPHRAGM
45.	HOUSING ASSY. - BOWL VENT
46.	GASKET - HOUSING
47.	E-CLIP - BOWL VENT VALVE
48.	WASHER – VENT VALVE
49.	VALVE - VENT
50.	DIAPHRAGM - VENT VALVE
51.	FITTING - FUEL INLET
52.	GASKET - FITTING
53.	SCREW (4) - PRI. FUEL BOWL
54.	GASKET (4) - PRI. FUEL BOWL SCREW
55.	BOWL - PRI. FUEL
56.	BAFFLE PLATE
57.	NEEDLE & SEAT ASSY. - PRI.
58.	E-CLIP - FLOAT RETAINER
59.	FLOAT & SPRING ASSY. - PRI.
60.	PLUG - FUEL LEVEL
61.	GASKET - PLUG
62.	GASKET - PRI. FUEL BOWL
63.	METERING BLOCK - PRI.
64.	JET (2) - PRI. MAIN
65.	VALVE - ENRICHMENT
66.	GASKET - ENRICHMENT VALVE
67.	CAP (2) - IDLE LIMITER
68.	NEEDLE (2) - IDLE ADJUSTING
69.	GASKET (2) - IDLE ADJUSTING NEEDLE
70.	GASKET - PRI. METERING BLOCK
71.	CONNECTOR - PUMP CHANNEL
72.	O-RING (2) - CONNECTOR
73.	TUBE - FUEL LINE
74.	O-RING (2) - FUEL LINE
75.	SCREW (4) - SEC. FUEL BOWL
76.	GASKET (4) - SEC. FUEL BOWL SCREW
77.	BOWL - SEC. FUEL
78.	BAFFLE PLATE
79.	NEEDLE & SEAT ASSY. - SEC.
80.	E-CLIP - FLOAT RETAINER
81.	FLOAT & SPRING ASSY. - SEC.
82.	PLUG - FUEL LEVEL
83.	GASKET - PLUG
84.	GASKET - SEC. FUEL BOWL
85.	METERING BLOCK - SEC.
86.	JETS (2) - SEC. MAIN
87.	GASKET - SEC. METERING BLOCK
88.	SCREW & LKWSHR. (8) - THROTTLE BODY
89.	THROTTLE BODY ASSY.
90.	GASKET - THROTTLE BODY
91.	SCREW - PUMP DISC. NOZZLE
92.	GASKET (2) - PUMP NOZZLE
93.	NOZZLE - PUMP DISC.
94.	NEEDLE - PUMP DISC.
95.	MAIN BODY ASSEMBLY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISSASSEMBLED. 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 SUTABLE SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. **CAUTION: DO NOT SOAK FLOATS, SOLENOIDS OR PARTS CONTAINING RUBBER MATERIAL 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.