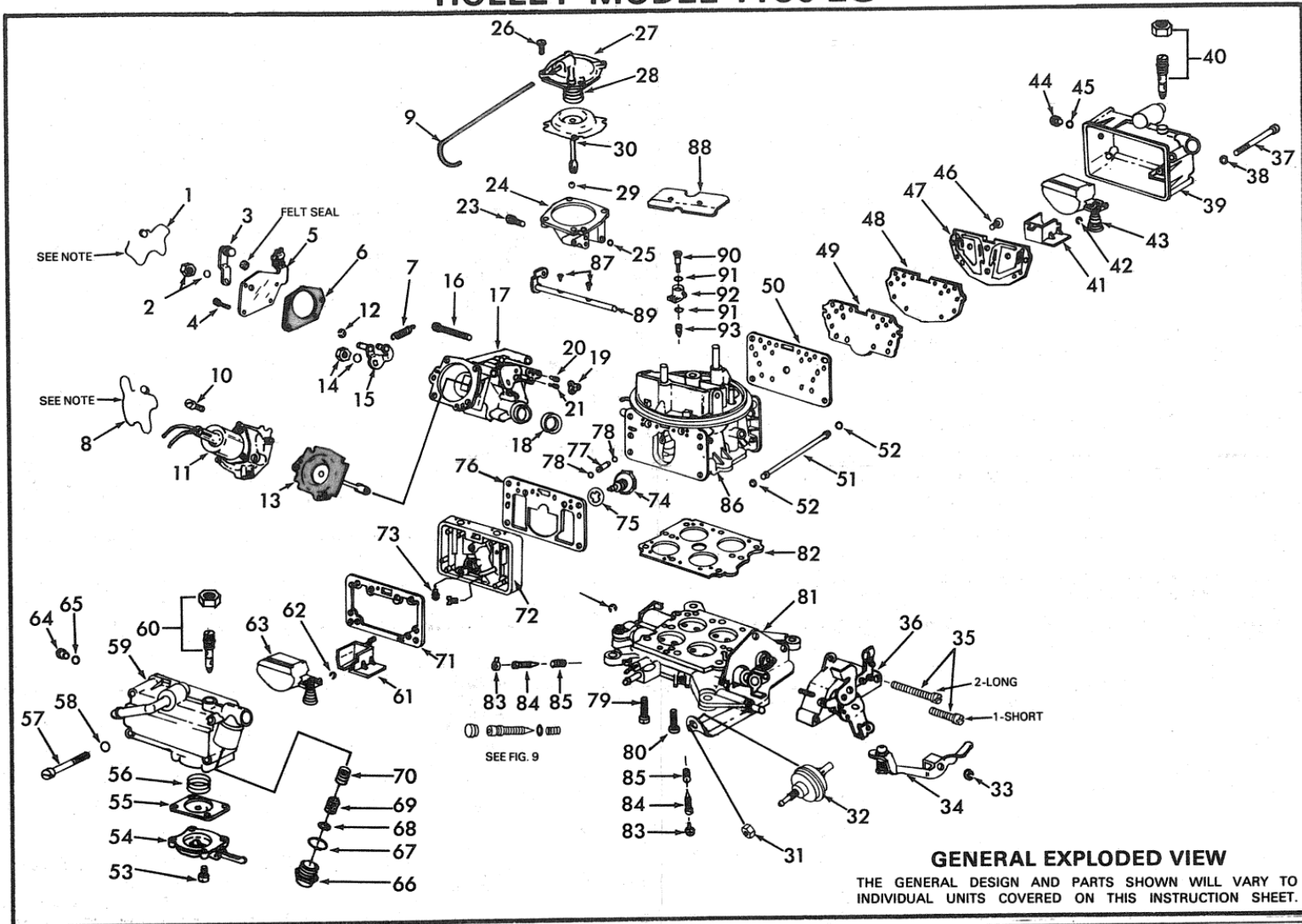


INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE HOLLEY-MODEL 4180 EG



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 ADJUSTED FOR EMISSION CONTROL. (1982 TAMPERPROOF IDLE MIXTURE SCREW REMOVAL SEE FIG. 9).

NOMENCLATURE

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

REF. NO.	DESCRIPTION	REF. NO.	DESCRIPTION
54.	COVER ASSY. — PUMP DIAPHRAGM	75.	GASKET — PRI. ENRICHMENT VALVE
55.	DIAPHRAGM — PUMP	76.	GASKET — PRI. METERING BODY
56.	SPRING — PUMP DIAPHRAGM	77.	TUBE — PUMP PASSAGE
57.	SCREW (4) — PRI. FUEL BOWL	78.	O-RING (2) — TUBE
58.	GASKET (4) — PRI. BOWL SCREW	79.	SCREW & LOCKWASHER (7) — THROTTLE BODY
59.	BOWL ASSY. — PRIMARY	80.	SCREW & LK WSHR (1) — THROTTLE BODY
60.	NEEDLE & SEAT ASSY. — PRI.	81.	THROTTLE BODY ASSY.
61.	BAFFLE — PRI. FUEL	82.	GASKET — THROTTLE BODY
62.	RETAINER — PRI. FLOAT	83.	CAP (2) — IDLE LIMITER
63.	FLOAT & SPRING ASSY. — PRI.	84.	SCREW (2) — IDLE ADJUSTING
64.	PLUG — FUEL LEVEL	85.	SPRING (2) — IDLE ADJ. SCREW
65.	GASKET — PLUG	86.	MAIN BODY ASSY.
66.	FITTING — FUEL INLET	87.	SCREW (2) — CHOKE PLATE
67.	GASKET — FITTING	88.	PLATE — CHOKE
68.	GASKET — FILTER	89.	SHAFT — CHOKE PLATE
69.	FILTER — FUEL	90.	SCREW — PUMP NOZZLE
70.	SPRING — FILTER	91.	GASKET (2) — PUMP NOZZLE
71.	GASKET — PRI. FUEL BOWL	92.	NOZZLE — PUMP DISC
72.	METERING BODY — PRI.	93.	NEEDLE — PUMP DISC. CHECK
73.	JET (2) — MAIN		
74.	VALVE — PRI. ENRICHMENT		

CLEANING

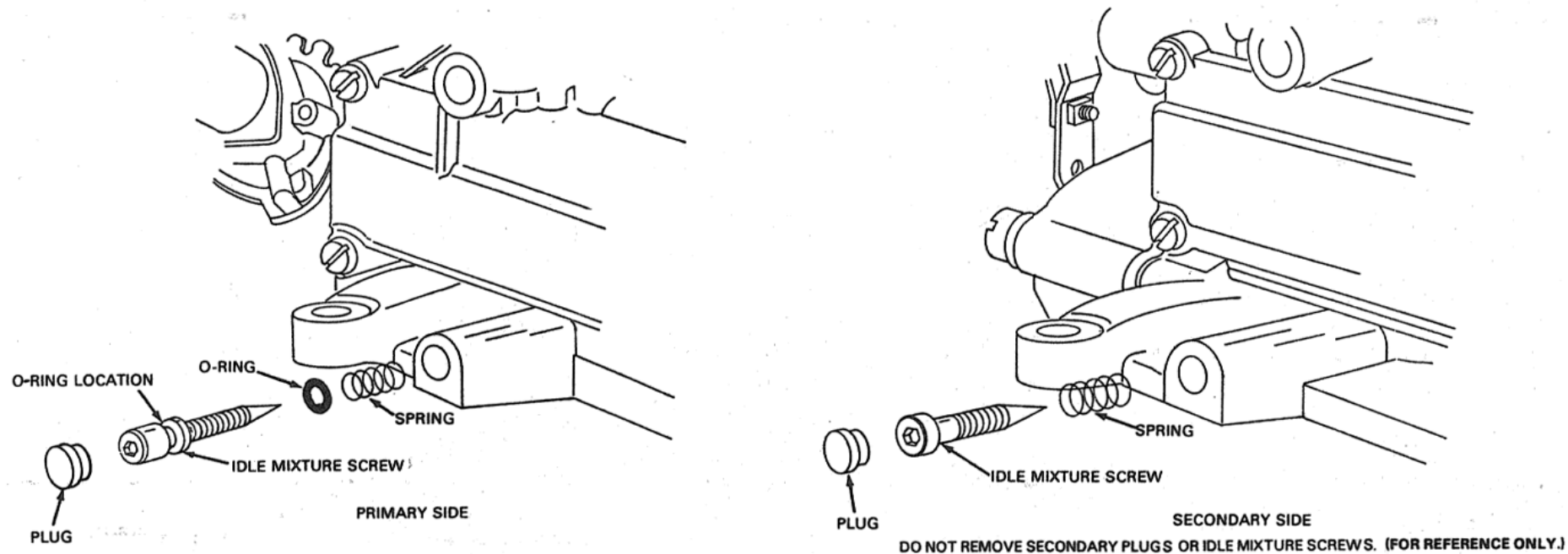
CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL USING A COLD IMMERSION TYPE CARBURETOR CLEANER. MAKE CERTAIN THE THROTTLE BORES ARE FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE OFF IN SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS 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 CARBURETOR BEING SERVICED.

NOTE: ITEM NO. 1 & 8 IS NOT A KIT SERVICE REPLACEMENT PART.

1982 TAMPERPROOF IDLE MIXTURE SCREWS



TO REMOVE TAMPERPROOF IDLE MIXTURE CONCEALMENT PLUG, CENTER PUNCH AND DRILL 3/32" DIAMETER HOLE THROUGH THE HARDENED STEEL PLUG. INSTALL AN EASY OUT AND REMOVE THE PLUG.

BEFORE REMOVING IDLE ADJUSTING SCREWS, CAREFULLY TURN SCREWS IN CLOCKWISE COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT SCREWS. (RECORD FOR PROPER REASSEMBLY).

REASSEMBLY: TURN IN IDLE MIXTURE SCREWS UNTIL LIGHTLY SEATED. THEN BACK OUT THE NUMBER OF TURNS RECORDED ON DISASSEMBLY. REPLACE PLUG TO INSURE PROPER METERING.