

INSTRUCTION SHEET

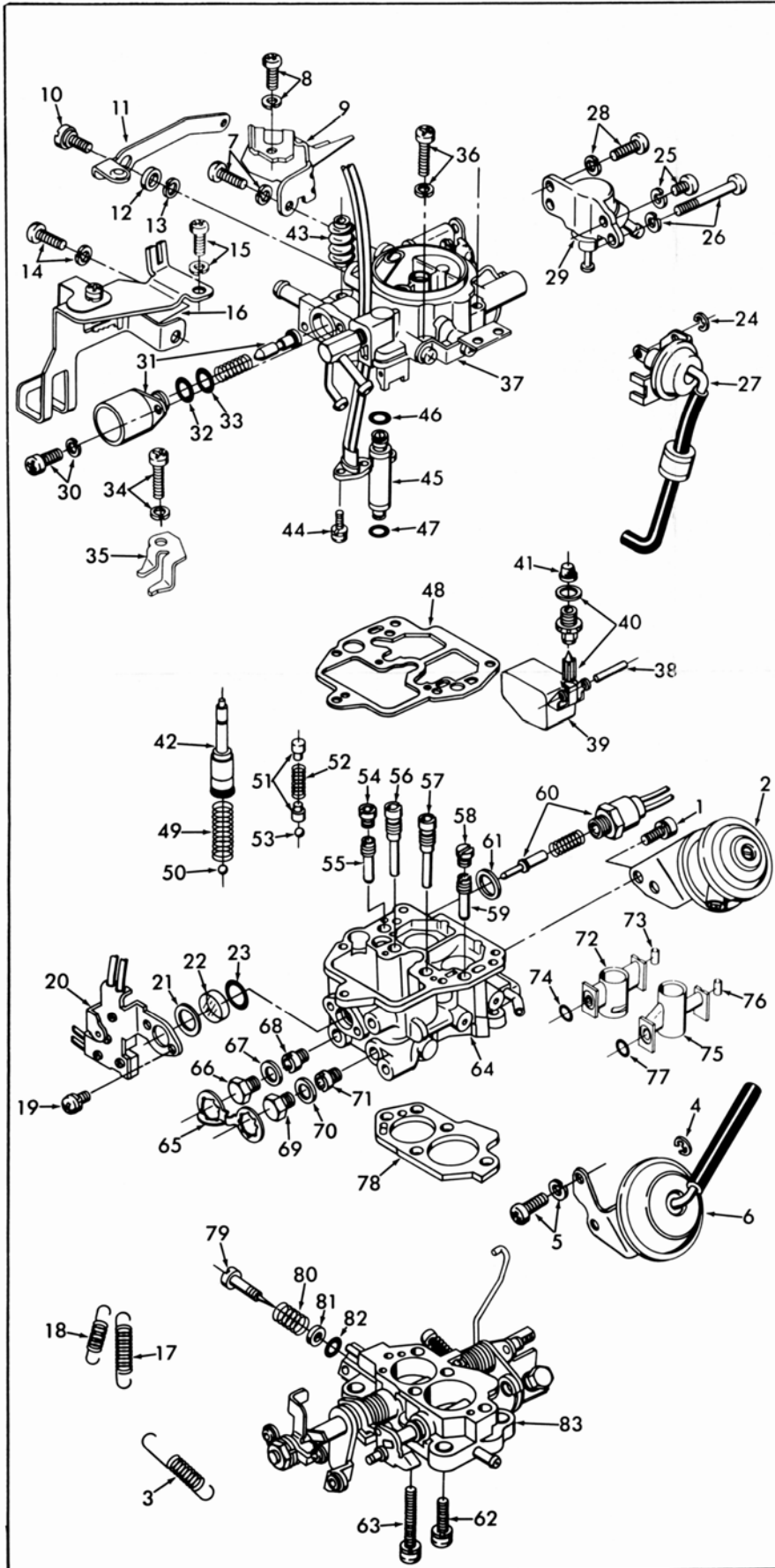
OFF VEHICLE CARBURETOR SERVICE

HITACHI MODEL DFB 306

50-745

3 CYL. SPRINT FED. FEED BACK M/T

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. REMOVE WIRES FROM CARBURETOR HARNESS CONNECTOR USING PROPER TOOL AND IDENTIFY WIRE LOCATION FOR PROPER REASSEMBLY. CAUTION: SOME ORIGINAL SCREWS HAVE LOCK TIGHT APPLIED TO THEM. TAKE EXTRA CARE IN REMOVING THEM. USE PROPER TOOLS. NOTE SIZES OF ALL JETS AND THEIR LOCATION FOR PROPER REASSEMBLY. RECORD SIZES BELOW TO REMOVE IDLE ADJUSTING NEEDLE PIN, USE A 4 - 4.5MM DRILL AND DRILL OUT PIN OR WORK OUT WITH A PUNCH. BEFORE REMOVING IDLE MIXTURE NEEDLE, TURN IN COUNTING THE NUMBER OF TURNS IT IS FROM THE SEATED POSITION (RECORD).

NOTE: IF VENTURIS ARE REMOVED TO REPLACE O-RING SEALS, CAREFULLY TAP VENTURI FROM THE BOTTOM SIDE UNTIL FREE OF HOUSING TO REPLACE, INSTALL NEW O-RING. HOLDING VENTURI FIRMLY IN PLACE, TAP LOCKING PIN IN FLUSH WITH HOUSING.

NOMENCLATURE

REF NO	REF NO
1 SCREW & LOCKWASHER (2) - ACTUATOR	40 NEEDLE & SEAT ASSY
2 ACTUATOR - IDLE UP	41 FILTER SCREEN - NEEDLE SEAT
3 SPRING - AUX THROTTLE RETURN	42 PUMP ASSY
4 E-CLIP - SEC DIAPHRAGM ROD	43 BOOT - PUMP
5 SCREW & LOCKWASHER (2) - SEC DIAPHRAGM ASSY	44 SCREW & LOCKWASHER (3) - MIXTURE SOLENOID
6 SEC DIAPHRAGM ASSY	45 SOLENOID ASSY - MIXTURE CONTROL
7 SCREW & LOCKWASHER - BRACKET	46 O-RING - SOLENOID (UPPER)
8 SCREW & LOCKWASHER - BRACKET	47 O-RING - SOLENOID (LOWER)
9 BRACKET - CABLE	48 GASKET - BOWL COVER
10 SCREW - PUMP LEVER	49 SPRING - PUMP RETURN
11 LEVER - PUMP	50 BALL - PUMP INTAKE CHECK
12 WASHER - PUMP LEVER SCREW	51 WEIGHT (2) - PUMP DISC BALL
13 LOCKWASHER - PUMP LEVER SCREW	52 SPRING - PUMP DISC BALL WEIGHT
14 SCREW & LOCKWASHER - BRACKET	53 BALL - PUMP DISCHARGE CHECK
15 SCREW & LOCKWASHER - BRACKET	54 JET - SLOW AIR BLEED
16 BRACKET - TERM HOLDER	55 JET - SLOW
17 SPRING - SWITCH RETURN (LONG)	56 JET - PRI MAIN AIR BLEED
18 SPRING - SWITCH RETURN (SHORT)	57 JET - SEC MAIN AIR BLEED
19 SCREW & LOCKWASHER (2) - BRACKET MICRO SWITCH	58 PLUG - SEC SLOW JET
20 BRACKET & MICRO SWITCH ASSY	59 JET - SEC SLOW
21 GASKET - WINDOW LEVEL	60 SOLENOID ASSY - IDLE SHUT-OFF
22 WINDOW - LEVEL GAUGE	61 GASKET - SOLENOID
23 O-RING - WINDOW LEVEL GAUGE	62 SCREW & LOCKWASHER - THROTTLE BODY
24 E-CLIP - CHOKE PULLOFF LINK	63 SCREW & LOCKWASHER (3) - THROTTLE BODY
25 SCREW & LOCKWASHER - CHOKE PULLOFF	64 BOWL ASSY
26 SCREW & LOCKWASHER - CHOKE PULLOFF	65 RETAINER - PLUG
27 CHOKE PULLOFF ASSY	66 PLUG - PRI MAIN JET
28 SCREW & LOCKWASHER (2) - THERMO ELEMENT	67 GASKET - PLUG
29 THERMO ELEMENT ASSY	68 JET - PRI MAIN
30 SCREW & LOCKWASHER (2) - BOWL VENT SOLENOID	69 PLUG - SEC MAIN JET
31 BOWL VENT SOLENOID ASSY	70 GASKET - PLUG
32 O-RING - BOWL VENT SOLENOID (INNER)	71 JET - SEC MAIN
33 O-RING - BOWL VENT SOLENOID (OUTER)	72 VENTURI ASSY - PRI
34 SCREW & LOCKWASHER - FUEL FITTING BRACKET	73 LOCKING PIN - PRI VENTURI
35 BRACKET - FUEL FITTING	74 O-RING - PRI VENTURI SEAL
36 SCREW & LOCKWASHER (2) - BOWL COVER	75 VENTURI ASSY - SEC
37 BOWL COVER ASSY	76 LOCKING PIN - SEC VENTURI
38 PIN - FLOAT	77 O-RING - SEC VENTURI SEAL
39 FLOAT ASSY	78 GASKET - THROTTLE BODY
	79 NEEDLE - IDLE ADJUSTING
	80 SPRING - IDLE NEEDLE
	81 WASHER - IDLE NEEDLE
	82 SEAL - IDLE NEEDLE
	83 THROTTLE BODY ASSY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. CAUTION: DO NOT SOAK. USE A SPRAY TYPE CARBURETOR CLEANER TO CLEAN ALL THE PASSAGES OF THE CARBURETOR. MAKE CERTAIN THE THROTTLE BODY IS FREE OF ALL CARBON DEPOSITS. WASH OFF IN SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. DO NOT USE CLEANING SOLVENTS ON ASSEMBLIES SUCH AS (2, 6, 20, 27, 29, 31, 39, 42, 45, 60) OR PARTS MADE OF RUBBER.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

REUSE EXISTING PUMP ASSEMBLY.

IDLE ADJUSTING NEEDLE (79) - TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

PUMP RETURN SPRING (49) - INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER.

O-RING SEALS - LIGHTLY LUBRICATE FOR EASIER INSTALLATION OF SOLENOIDS.

**FOLLOW SERVICE MANUAL INSTRUCTIONS
TO MAKE FINAL ADJUSTMENTS ON CAR.**