

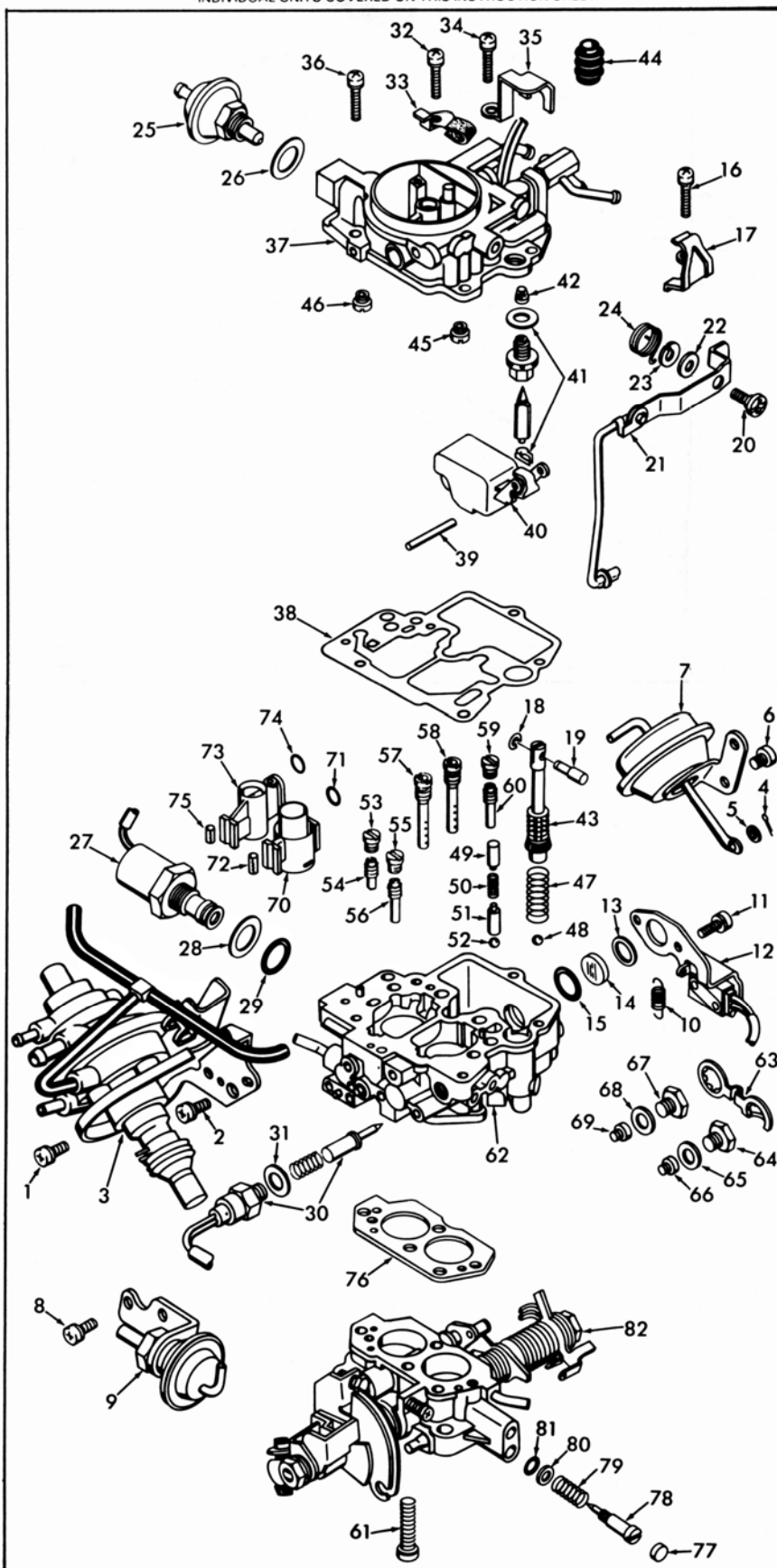
INSTRUCTION SHEET

OFF VEHICLE CARBURETOR SERVICE

HITACHI MODEL - DFE 2832

50-742

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 NEEDLE PLUG CAREFULLY DRILL HOLE IN PLUG USING AN EASY OUT PULL PLUG FROM HOLE. BEFORE REMOVING IDLE MIXTURE NEEDLE, TURN IN COUNTING THE NUMBER OF TURNS IT IS FROM THE SEATED POSITION (RECORD)

NOTE IF VENTURI'S 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) - BRACKET	37 BOWL COVER ASSY
2 SCREW (1) - BRACKET	38 GASKET - BOWL COVER
3 IDLE SPEED CONTROL ACTUATOR & BRACKET ASSY	39 PIN - FLOAT
4 COTTER PIN - SEC. DIAPHRAGM ROD	40 FLOAT & LEVER ASSY
5 WASHER - SEC. DIAPHRAGM ROD	41 NEEDLE & SEAT ASSY
6 SCREW & LOCKWASHER (2) - SEC. DIAPHRAGM BRACKET	42 SCREEN - NEEDLE SEAT
7 SECONDARY THROTTLE VALVE DIAPHRAGM ASSY	43 PUMP ASSEMBLY
8 SCREW & LOCKWASHER (2) - BRACKET	44 BOOT - PUMP
9 THROTTLE POSITIONER & BRACKET ASSY	45 JET - PRIMARY SLOW AIR BLEED
10 SPRING - SWITCH LEVER	46 JET - SECONDARY SLOW AIR BLEED
11 SCREW & LOCKWASHER (2) - SWITCH BRACKET	47 SPRING - PUMP RETURN
12 THROTTLE VALVE SWITCH & BRACKET ASSY	48 BALL - PUMP INTAKE CHECK
13 GASKET - WINDOW	49 WEIGHT - PUMP DISCHARGE
14 WINDOW - FUEL BOWL	50 SPRING - PUMP DISCHARGE
15 O-RING - WINDOW	51 WEIGHT - PUMP DISCHARGE
16 SCREW & LOCKWASHER - BRACKET	52 BALL - PUMP DISCHARGE
17 BRACKET - PUMP STROKE	53 PLUG - RICHER JET
18 RETAINER - PIN	54 JET - RICHER
19 PIN - PUMP LEVER	55 PLUG - SEC. SLOW JET
20 PIVOT SCREW - PUMP LEVER	56 JET - SECONDARY SLOW
21 LEVER & ROD ASSY - PUMP	57 JET - SECONDARY MAIN AIR BLEED
22 WASHER - PUMP LEVER SCREW	58 JET - PRIMARY MAIN AIR BLEED
23 LOCKWASHER - PUMP LEVER SCREW	59 PLUG - PRIMARY SLOW JET
24 SPRING - PUMP LEVER	60 JET - PRIMARY SLOW JET
25 VACUUM PISTON ASSY	61 SCREW & LOCKWASHER (4) - THROTTLE BODY
26 GASKET - VAC. PISTON ASSY	62 BOWL ASSEMBLY
27 RICHER SOLENOID ASSY	63 RETAINER - PLUGS
28 GASKET - RICHER SOLENOID ASSY	64 PLUG - PRIMARY MAIN JET
29 O-RING - RICHER SOLENOID ASSY	65 GASKET - PLUG
30 SOLENOID ASSY - IDLE SHUT OFF	66 JET - PRIMARY MAIN
31 GASKET - IDLE SHUT OFF SOLENOID	67 PLUG - SEC. MAIN JET
32 SCREW & LOCKWASHER - STOP BRACKET	68 GASKET - PLUG
33 STOP BRACKET - PUMP LEVER	69 JET - SECONDARY MAIN
34 SCREW & LOCKWASHER - BRACKET	70 VENTURI - PRIMARY
35 BRACKET - FUEL INLET FITTING	71 O-RING - PRIMARY VENTURI
36 SCREW & LOCKWASHER (2) - BOWL COVER	72 LOCK PIN - PRIMARY VENTURI
	73 VENTURI - SECONDARY
	74 O-RING - SEC. VENTURI
	75 LOCK PIN - SEC. VENTURI
	76 GASKET - THROTTLE BODY
	77 PLUG - IDLE ADJ. NEEDLE
	78 NEEDLE - IDLE ADJUSTING
	79 SPRING - IDLE NEEDLE
	80 WASHER - IDLE NEEDLE
	81 O-RING - IDLE NEEDLE
	82 THROTTLE BODY ASSEMBLY

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 SOAK DIAPHRAGM OR SOLENOID ASSEMBLIES, OR PARTS MADE OF RUBBER IN ANY TYPE OF CLEANING SOLVENTS.

REASSEMBLY

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

FOLLOW SERVICE MANUAL INSTRUCTIONS TO MAKE FINAL ADJUSTMENTS ON CAR.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (82) - TURN IN UNTIL LIGHTLY SEATED. THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

PUMP RETURN SPRING (51) - INSTALL WITH CROSS WIRE TO THE BOTTOM OF PUMP CYLINDER.

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

ADJUSTMENTS

