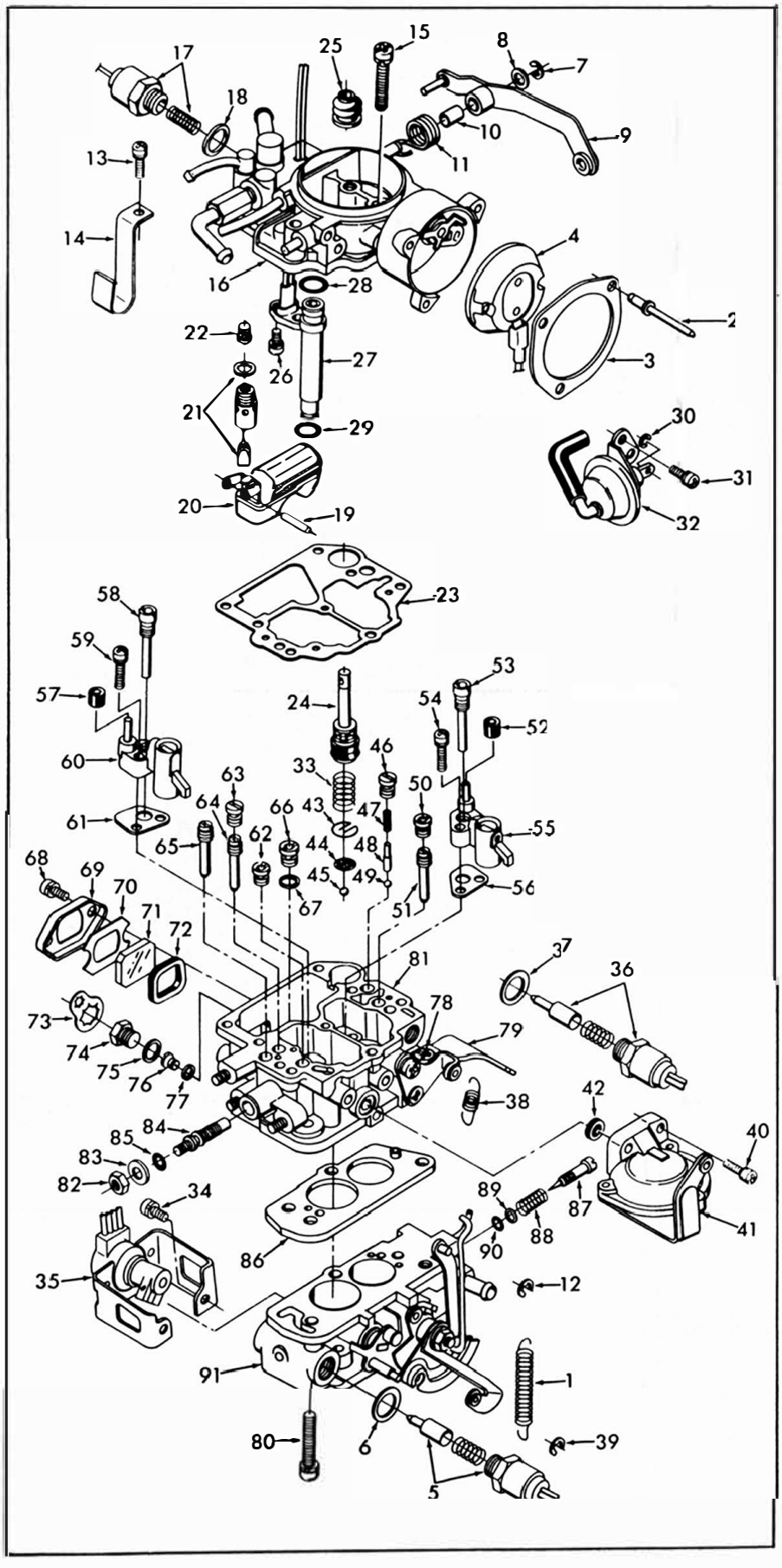
INSTRUCTION SHEET
OFF VEHICLE CARBURETOR SERVICE
NIPPON STROMBERG - 2 BARREL (SPECTRUM)
(WITH FEED BACK)

50-698-3

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 WHEN NECESSARY REMOVE WIRES FROM CARBURETOR HARNESS CONNECTOR USING PROPER TOOL AND IDENTIFY WIRE LOCATION FOR PROPER REASSEMBLY DRILL OFF POP RIVET HEADS TO REMOVE CHOKE COVER ASSEMBLY. SOLENOID ASSEMBLIES (5), (17), (36), AS THEY ARE REMOVED, KEEP PLUNGER, SPRING AND SOLENOID TOGETHER. BOWL VENT PLUNGER IS NOT REMOVABLE NOTE SIZES OF ALL JETS AND THEIR LOCATION FOR PROPER REASSEMBLY RECORD SIZES BELOW. BEFORE REMOVING MIXTURE BY PASS SCREW (84) CAREFULLY REMOVE NUT (82) THEN TURN SCREW IN COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT SCREW RECORD FOR REASSEMBLY. TO REMOVE IDLE ADJUSTNG NEEDLE PLUG, CENTER PUNCH PLUG THEN DRILL A HOLE IN PLUG NOT OVER .040" DEEP. THREAD A SCREW INTO THE HOLE AND PULL PLUG OUT WITH SCREW

CAUTION DO NOT LOOSEN THROTTLE SENSOR SCREWS REMOVE ASSEMBLY WITH BRACKET.

NOMENCLATURE

REF NO		REF. NO.	
1.	SPRING - THROTTLE RETURN	44.	SCREEN - PUMP CHECK
2	POP RIVETS (3) - CHOKE RETAINER	45.	BALL - PUMP INTAKE CHECK (LARGE)
3.	RETAINER - CHOKE COVER	46.	PLUG - PUMP DISC CHECK
4	CHOKE COVER ASSEMBLY	47.	SPRING - PUMP DISC CHECK
5	SOLENOID ASSY - MIXTURE BY PASS	48.	WEIGHT - PUMP DISC CHECK
6	GASKET - SOLENOID ASSY	49.	BALL - PUMP DISC CHECK (SMALL)
7	E-CLIP - PUMP LEVER	50.	PLUG - SLOW JET
8	WASHER - PUMP LEVER	51.	JET - PRI SLOW
9.	LEVER - PUMP	52.	SEAL - PRI. VENTURI TUBE
10	BUSHING - PUMP LEVER	53	JET - PRI. MAIN AIR BLEED
11	SPRING - PUMP LEVER	54	SCREW & WASHERS (2) - PRI VENTURI
12	E-CLIP - CHOKE LINK (UPPER)	55.	VENTURI ASSY. - PRIMARY
13	SCREW & LOCKWASHER - BRACKET	56	GASKET - PRI. VENTURI
14	BRACKET - LOOM	57	SEAL - SEC. VENTURI TUBE
15	SCREW & LOCKWASHER (6) - BOWL COVER (DIFF LENGTHS)	58.	JET - SEC. MAIN AIR BLEED
18.	BOWL COVER ASSY.	59.	SCREW & WASHERS (2) - SEC VENTURI
17	SOLENOID (WITH PLUNGER SPRING) - BOWL VENT	60	VENTURI ASSY - SECONDARY
18	GASKET - SOLENOID	61	GASKET - SEC VENTURI
19	PIN - FLOAT	62	JET - STEP AIR BLEED
20	FLOAT & LEVER ASSY	63.	PLUG - STEP JET
21	NEEDLE & SEAT ASSY	64	JET - STEP
22	SCREEN - NEEDLE SEAT	65	JET - BY PASS MIXTURE
23	GASKET - BOWL COVER	66	JET - SEC. MAIN
24	PUMP ASSY	67	GASKET - SEC. MAIN JET
25	BOOT - PUMP	68	SCREW & LOCKWASHER (2) - COVER
26	SCREW & LOCKWASHER (2) - SOLENOID	69	COVER - SIGHT GLASS
27	SOLENOID ASSY - FEED BACK	70.	GASKET - COVER
28	O-RING (UPPER) - FEED BACK SOLENOID	71.	SIGHT GLASS
29	O-RING (LOWER) - FEED BACK SOLENOID	72.	SEAL - SIGHT GLASS
30	E-CLIP - CHOKE PULLOFF LINK	73	RETAINER - PRI JET PLUG
31	SCREW & LOCKWASHER (2) - CHOKE PULLOFF	74	PLUG - PRI. MAIN JET
32	CHOKE PULLOFF & HOSE ASSY	75	GASKET - PLUG
33	SPRING - PUMP RETURN	76	JET - PRI. MAIN
34	SCREW & LOCKWASHER (2) - SENSOR BRACKET	77	GASKET - PRI MAIN JET
35.	THROTTLE SENSOR & BRACKET ASSY	78.	SCREW & LOCKWASHER - THROTTLE BODY & CABLE BRACKET
36	SOLENOID ASSY - IDLE SHUT OFF	79.	BRACKET - THROTTLE CABLE
37	GASKET - SOLENOID	80	SCREW & LOCK WASHER (2) - THROTTLE BODY
38	SPRING - SECONDARY RETURN	81	BOWL ASSY
39	E-CLIP - SECONDARY DIAPHRAGM ROD	82	NUT - MIXTURE BY PASS SCREW
40	SCREW & LOCKWASHER (2) - SECONDARY DIAPHRAGM ASSY	83	WASHER - MIXTURE BY PASS SCREW
41	SECONDARY DIAPHRAGM ASSY	84	SCREW - MIXTURE BY PASS
42	GASKET - SECONDARY DIAPHRAGM VAC PASSAGE	85	O-RING - MIXTURE BY PASS SCREW
43	RETAINER - SCREEN	86	GASKET - THROTTLE BODY
		87	NEEDLE - IDLE ADJUSTING
		88	SPRING - IDLE NEEDLE
		89	WASHER - IDLE NEEDLE SEAL
		90	SEAL - IDLE NEEDLE
		91	THROTTLE BODY ASSY

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED USE A CARBURETOR CLEANING SOLVENT SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL CAUTION DO NOT PROLONG SOAKING OF PARTS CONTAINING PLASTIC MATERIALS THAT ARE NOT REMOVABLE MAKE CERTAIN THE THROTTLE BORES ARE 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 ASSEMBLIES. FLOAT, SOLENOIDS OR PARTS CONTAINING RUBBER MATERIALS IN CLEANING SOLVENTS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY NOTE SPECIAL INSTRUCTIONS AND ADJUSTMENTS.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (87) - TURN NEEDLE IN UNTIL LIGHTLY SEATED, THEN BACK OUT THREE TURNS FOR M/T AND TWO TURNS FOR A/T.

MIXTURE BY PASS SCREW (84) - TURN SCREW IN UNTIL LIGHTLY SEATED, THEN BACK OUT NUMBER OF TURNS RECOROED ON DISASSEMBLY.

CHOKE COVER ASSEMBLY (4) - WHEN INSTALLING BE SURE HOOK ON CHOKE SPRING IS IN CONTACT WITH ARM OF CHOKE SHAFT LEVER. MAKE SURE CHOKE SPRING COVER IS PROPERLY LOCKED ON LOCATION PIN (NON-ADJUSTABLE).

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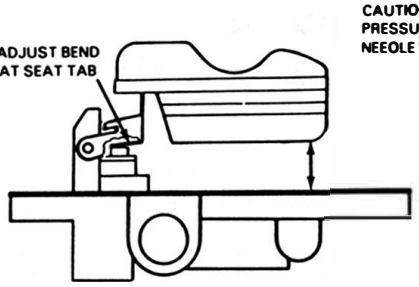
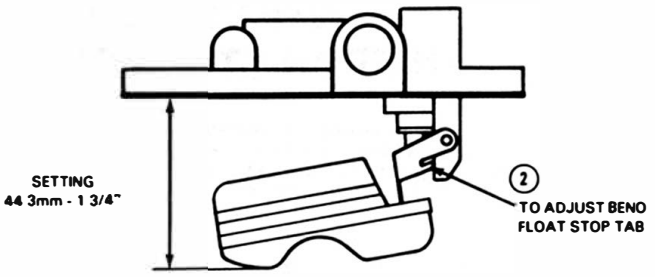
ADJUSTMENTS



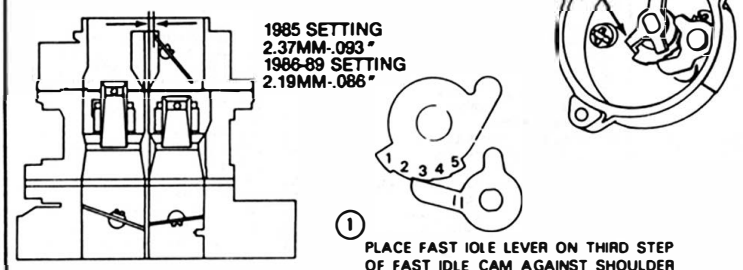
1 BOWL COVER INVERTEO BOWL COVER GASKET IN PLACE FLOAT RESTING ON NEEDLE OF ITS OWN WEIGHT (DO NOT COMPRESS SPRING LOAOEO NEEDLE) MEASURE DISTANCE BETWEEN CENTER OF FLOAT AT TOE ENO ANO BOWL COVER GASKET

DRY FLOAT LEVEL ADJUSTMENT FIG. 1

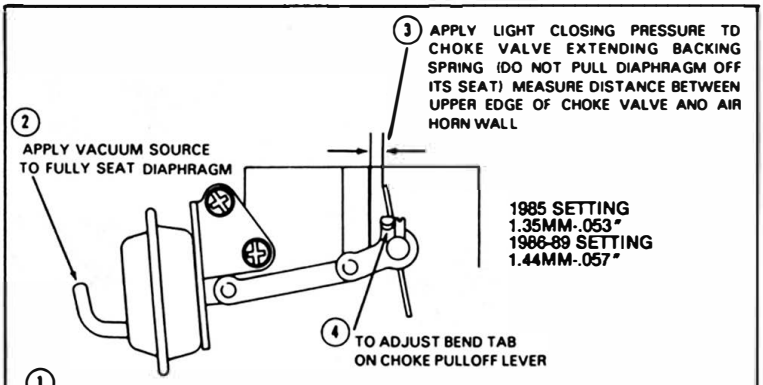


1 BOWL COVER HELO IN THE NORMAL POSITION FLOAT HANGING IN THE DOWN POSITION, MEASURE DISTANCE BETWEEN BOWL COVER GASKET AND LOWEST POINT OF FLOAT

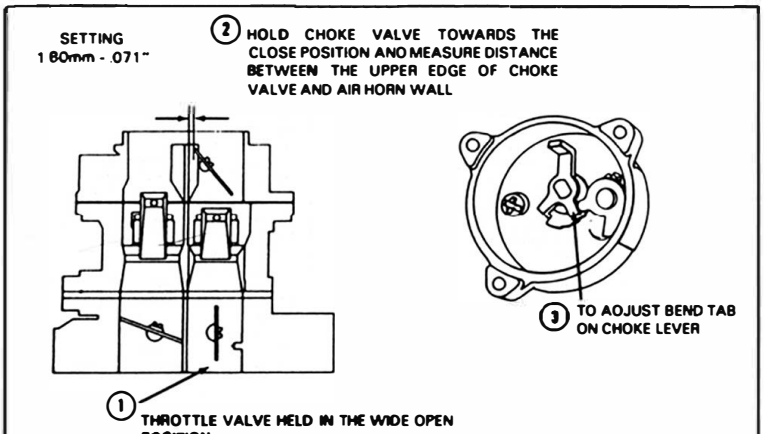
FLOAT DROP ADJUSTMENT FIG. 2



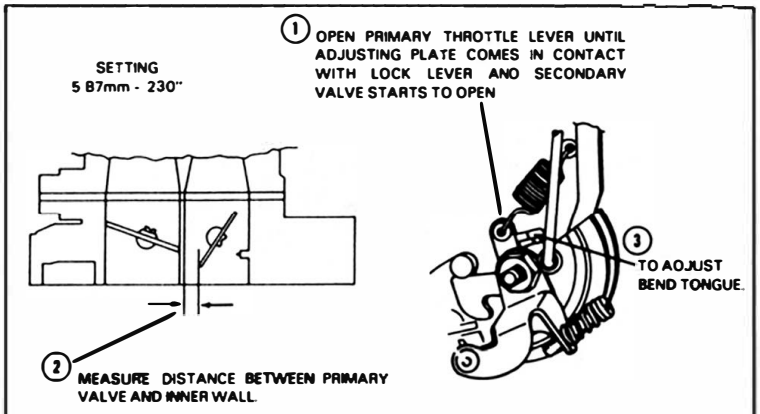
CHOKE VALVE OPENING FIG. 3



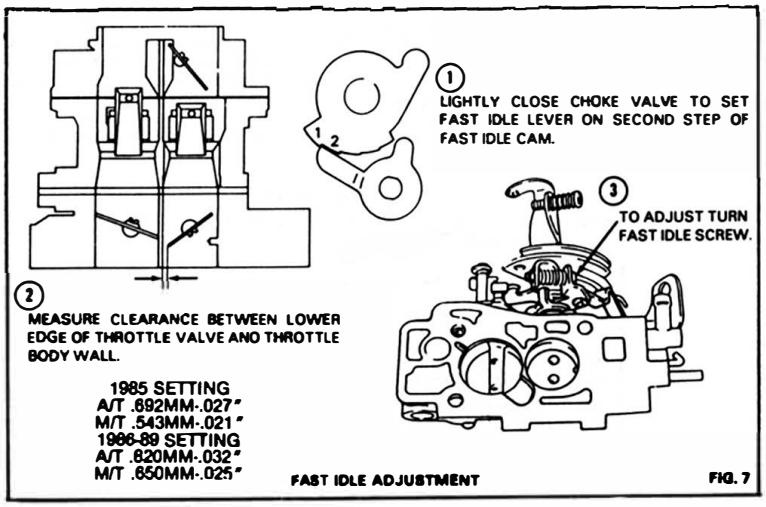
CHOKE PULLOFF ADJUSTMENT FIG. 4



UNLOADER ADJUSTMENT FIG. 5



SECONDARY THROTTLE START TO OPEN ADJUSTMENT FIG. 6



FAST IDLE ADJUSTMENT FIG. 7

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