GENERAL EXPLODED VIEW

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

TYPE A
FIXED JET

TYPE B
ADJUSTABLE JET

TYPE C
ADJUSTABLE JET
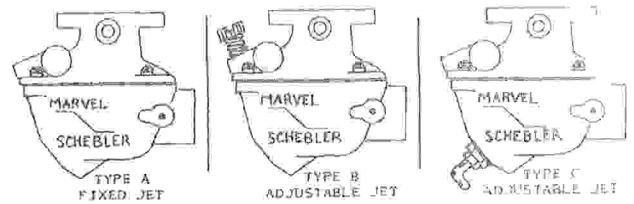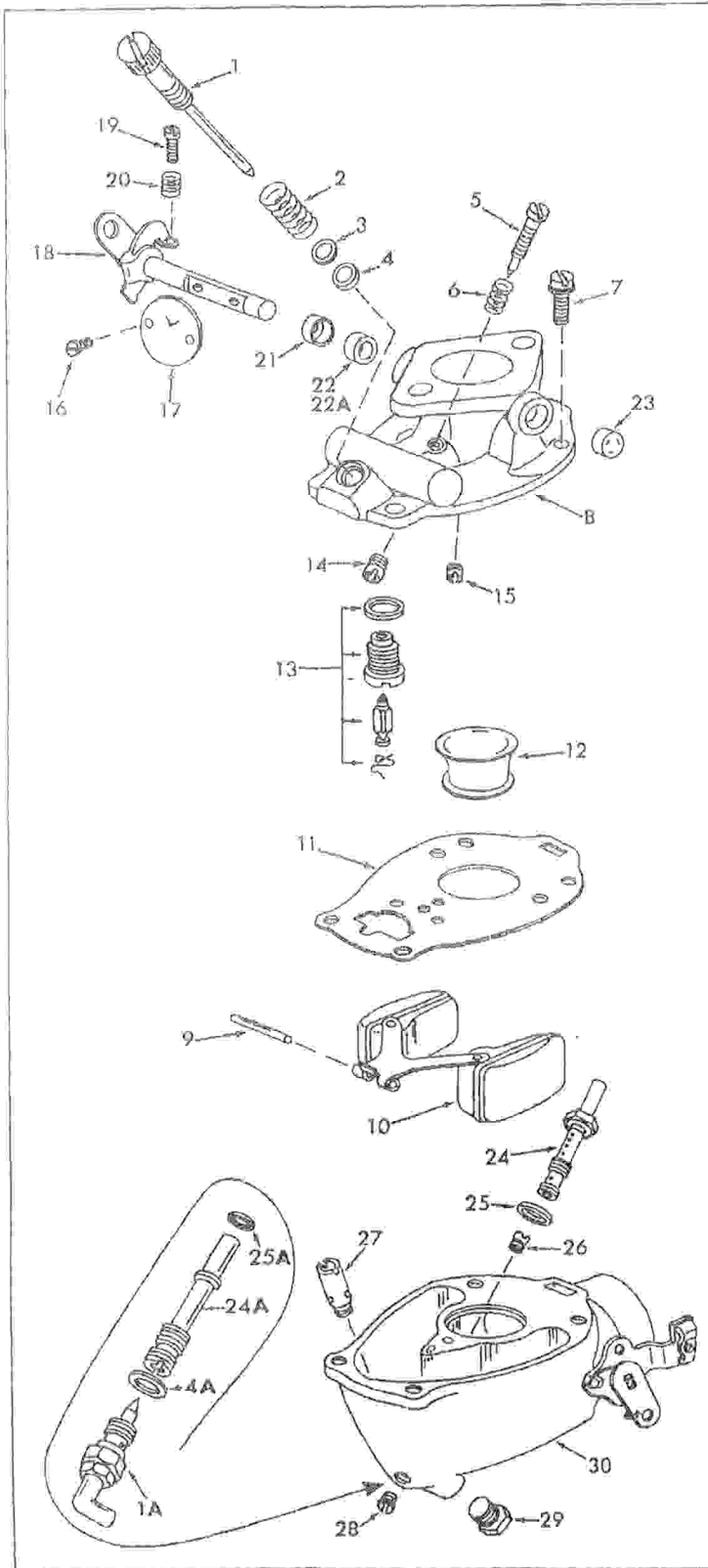
DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY
BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND
INSPECTION. NOTE: IDLE JET (14) AND ECONOMIZER JET (15) ARE NOT USED
IN ALL CARBURETORS. WHEN REMOVING IDLE JET (14), ECONOMIZER JET (15),
OR POWER JET (26) BE SURE TO USE THE PROPER SIZE SCREW DRIVER, JETS
CAN EASILY BE BROKEN. BEFORE REMOVING THROTTLE VALVE (17), NOTE ANGLE
IDENTIFICATION MARK FACING FLANGE FACE OF CARBURETOR. POWER ADJUSTING
NEEDLE SEAT (27) NOT USED IN ALL TYPE B CARBURETORS.

NOMENCLATURE

REF. NO.		REF. NO.	
1.	NEEDLE-POWER ADJ. (TYPE B)	15.	JET-ECONOMIZER
1A.	NEEDLE ASSY.-POWER ADJUSTING (TYPE C)	16.	SCREW & LOCKWASHER (2) - THROTTLE VALVE
2.	SPRING-POWER ADJ. NEEDLE	17.	THROTTLE VALVE
3.	WASHER-FLAT POWER ADJ. NEEDLE	18.	SHAFT & LEVER ASSY.-THROTTLE
4.	GASKET-POWER ADJ. NEEDLE	19.	SCREW-THROTTLE STOP
4A.	GASKET-POWER ADJ. NEEDLE ASSY. (TYPE C)	20.	SPRING-THROTTLE STOP SCREW
5.	NEEDLE-IDLE ADJUSTING	21.	RETAINER-THROTTLE SHAFT SEAL
6.	SPRING-IDLE ADJ. NEEDLE	22.	SEAL (FELT)-THROTTLE SHAFT
7.	SCREW & LOCKWASHER (4) - BOWL COVER	22A.	SEAL (RUBBER)-THROTTLE SHAFT
8.	BOWL COVER	23.	CUP-THROTTLE SHAFT
9.	PIN-FLOAT LEVER	24.	NOZZLE-MAIN (TYPE A-B)
10.	FLOAT & LEVER ASSY.	24A.	NOZZLE-MAIN (TYPE C)
11.	GASKET-BOWL COVER	25.	GASKET-MAIN NOZZLE (TYPE A-B)
12.	VENTURI	25A.	GASKET-MAIN NOZZLE (TYPE C)
13.	NEEDLE, SEAT & GASKET ASSY.	26.	JET-POWER (TYPE A-B)
14.	JET-IDLE	27.	SEAT-POWER ADJ. NDL. (TYPE B)
		28.	SCREW-PLUG
		29.	PLUG-BOWL DRAIN
		30.	BOWL ASSY.-FLOAT

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG
ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE (1) A CARBURETOR
CLEANING SOLVENT, (2) LACQUER THINNER, OR (3) DENATURED ALCOHOL. 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 RUBBER PARTS OR POWER ADJUSTING
ASSEMBLY (1A) TYPE C IN CLEANING SOLVENT.

REASSEMBLY

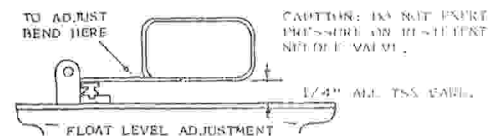REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS.

SPECIAL INSTRUCTIONS

THROTTLE SHAFT SEAL AND RETAINER INSTALLATION - ASSEMBLE RETAINER (21)
AND FELT SEAL (22), OR RUBBER SEAL (22A) WITH RETAINER IF REQUIRED,
ON THROTTLE SHAFT. INSERT SHAFT IN CARBURETOR AND TAP LIGHTLY UNTIL
RETAINER IS FLUSH WITH CASTING.

THROTTLE VALVE (17) INSTALLATION - INSTALL VALVE WITH ANGLE IDENTI-
FICATION MARK FACING FLANGE FACE OF CARBURETOR. TAP LIGHTLY TO CENTER
IN THROTTLE BORE. TIGHTEN SCREWS SECURELY.

IDLE ADJUSTING NEEDLE (5) - TURN NEEDLE IN LIGHTLY UNTIL SEATED. THEN
BACK OUT 1 TURN.

POWER ADJUSTING NEEDLE (1) OR (1A) - TURN NEEDLE IN LIGHTLY UNTIL
SEATED. THEN BACK OUT 1 TURN.

TO ADJUST
BEND HERE

CAUTION: DO NOT EXERT
PRESSURE ON RESILIENT
NEEDLE VALVE.

1/4" ALL TSX CARB.

FLOAT LEVEL ADJUSTMENT

MEASURE FROM GASKET SURFACE TO NEAREST EDGE OF EACH FLOAT. TO ADJUST,
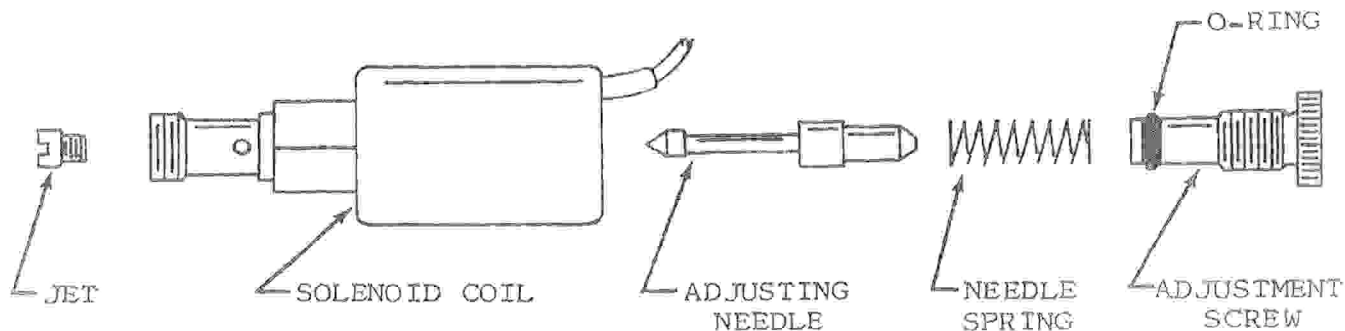BEND FLOAT LEVER KEEPING EDGE OF FLOAT PARALLEL WITH GASKET.

IDLE ADJUSTMENT - ENGINE AT OPERATING TEMPERATURE. CHOKE VALVE COM-
PLETELY OPEN. ADJUST IDLE SCREW UNTIL ENGINE RUNS SMOOTHLY STAYING ON
THE RICH SIDE OF THE ADJUSTMENT.

POWER ADJUSTMENT - ENGINE RUNNING AT GOVERNED SPEED UNDER LOAD, TURN
POWER ADJUSTING NEEDLE CLOCKWISE UNTIL ENGINE BEGINS TO LOSE POWER.
THEN BACK OUT UNTIL ENGINE PICKS UP POWER AND RUNS SMOOTHLY. A RICHER
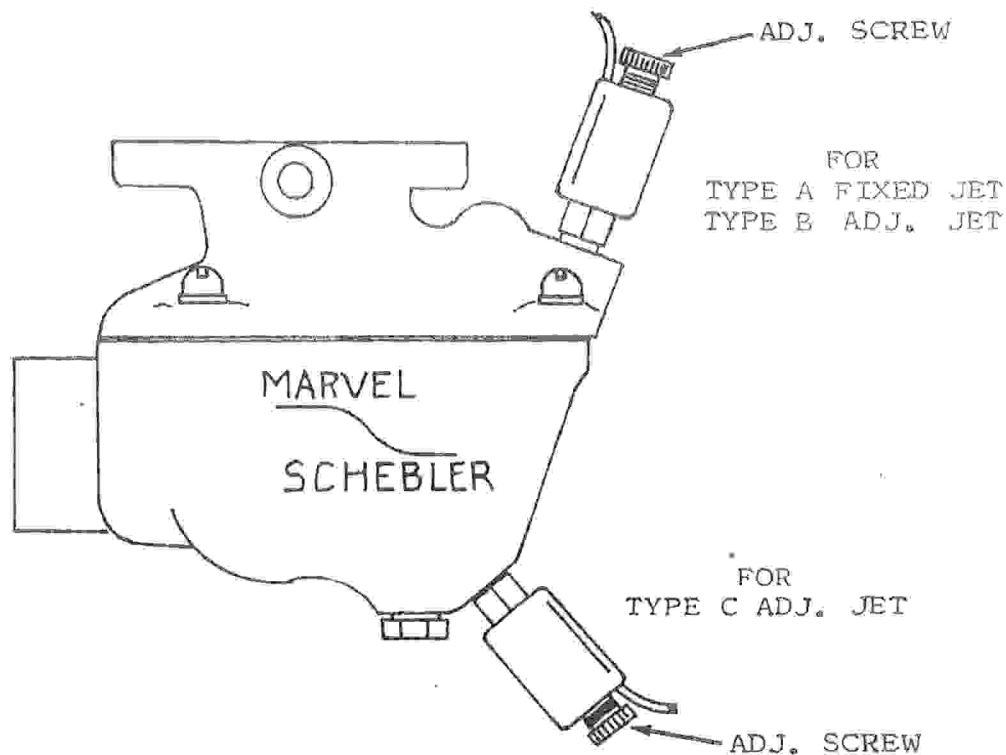MIXTURE MAY BE NEEDED TO IMPROVE ACCELERATION.

SERVICE INSTRUCTIONS FOR CARBURETORS EQUIPPED WITH ANTI-DIESELING POWER ADJUSTING NEEDLE

FDS212

REMOVE UNIT FROM CARBURETOR, DISASSEMBLE AS SHOWN. DO NOT TRY TO REMOVE O-RING. WASH IN CLEANING SOLVENT AND BLOW OFF WITH COMPRESSED AIR. CAUTION: DO NOT SOAK COIL ASSEMBLY OR RUBBER O-RING IN CARBURETOR CLEANER.

JET   SOLENOID COIL   ADJUSTING NEEDLE   NEEDLE SPRING   O-RING   ADJUSTMENT SCREW

ASSEMBLY: LIGHTLY OIL O-RING AND REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY.

ADJ. SCREW

FOR
TYPE A FIXED JET
TYPE B ADJ. JET

MARVEL SCHEBLER

FOR
TYPE C ADJ. JET

ADJ. SCREW

PRELIMINARY SETTING. TURN ADJUSTMENT SCREW IN LIGHTLY UNTIL NEEDLE SEATS, THEN BACK OUT 2-3 TURNS. FINAL SETTING UNDER LOAD IN ACCORDANCE WITH YOUR ENGINE MANUAL.