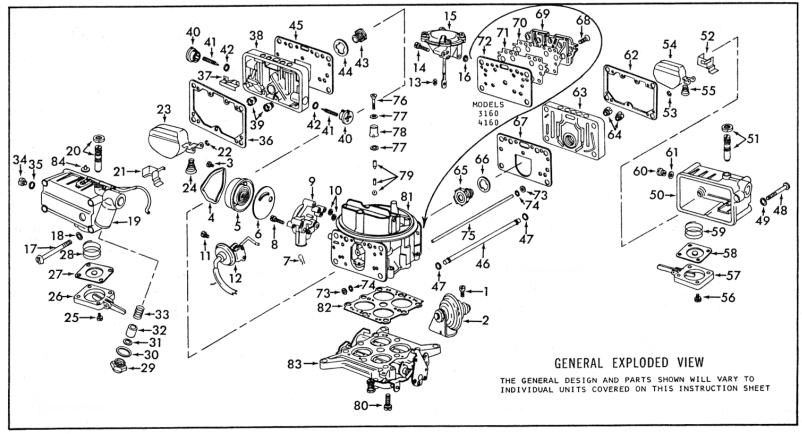
SPRING - FILTER

38. METERING BODY - PRI. 39. JET (2) - PRI. MAIN 40. CAP (2) - IDLE LIMITER

(SOME MODELS)

PLUG - SIGHT LEVEL
GASKET - PLUG
GASKET - PRI. FUEL BOWL
VENT BAFFLE - METERING BODY

INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE **HOLLEY - MODELS 3160, 4150 4160**



NOMENCLATURE			
REF.		REF	•
NO.		NO.	
2.	SCREW & LOCKWASHER - DASHPOT DASHPOT & BRACKET ASSY. SCREW (3) - COVER CLAMP	42. 43.	NEEDLE (2) - IDLE ADJ. SEAL (2) - IDLE NEEDLE POWER VALVE - PRI.
	CLAMP - CHOKE COVER CHOKE COVER & SPRING ASSY.	45.	GASKET - POWER VALVE GASKET - PRI. METERING BODY
7.	GASKET - CHOKE COVER RETAINER - CHOKE ROD	47.	TUBE - FUEL LINE O-RING (2) - TUBE
	SCREW & LOCKWASHER (3) - CHOKE HOUSING	49.	SCREW (4) - SEC. FUEL BOWL GASKET (4) - SEC. BOWL SCREW
10.	CHOKE HOUSING ASSY. GASKET - CHOKE HOUSING	51.	BOWL - SEC. FUEL NEEDLE & SEAT ASSY SEC. BAFFLE PLATE - SEC. N/S
	SCREW & LOCKWASHER (2) - CHOKE DIAPHRAGM ASSY.	53.	RETAINER - SEC. FLOAT FLOAT ASSY SEC.
	CHOKE DIAPHRAGM ASSY. (SOME MODELS)	55.	SPRING - SEC. FLOAT SCREW & LOCKWASHER (4) - PUMP COVER
14.	RETAINER - SEC. DIAPHRAGM LINK SCREW & LOCKWASHER (3) - DIAPH.	57.	PUMP COVER ASSY (HI. PERF. CARB.) PUMP DIAPHRAGM ASSY - (HI. PERF.)
15.	HOUSING ASSY. DIAPH. HOUSING ASSY SECONDARY THROTTLE	59.	SPRING - PUMP PLUG - SIGHT LEVEL
16.	GASKET - SEC. DIAPH. HOUSING SCREW (4) - PRI. FUEL BOWL	61.	GASKET - PLUG GASKET - SEC. FUEL BOWL
18.	GASKET (4) - PRI. BOWL SCREW BOWL - PRI. FUEL	63.	METERING BODY - SEC. JET (2) - SEC. MAIN
20.	NEEDLE & SEAT ASSY PRI. BAFFLE PLATE - PRI. N/S	65.	POWER VALVE - SEC. (SOME MODELS) OVERRUN VALVE ON TRUCKS STAMPED 215
22.	RETAINER - PRI. FLOAT FLOAT ASSY PRI.	67.	GASKET - VALVE GASKET - SEC. METERING BODY
24.	SPRING - PRI. FLOAT SCREW & LOCKWASHER (4) -	69.	SCREW (6) - SEC. METERING BODY METERING BODY - SEC.
	PUMP COVER PUMP COVER ASSY.	71.	GASKET -SEC. METERING BODY PLATE PLATE - SEC. METERING BODY
28.	PUMP DIAPHRAGM ASSY. SPRING - PUMP	73.	GASKET - SEC. METERING BODY WASHER (2) - BALANCE TUBE (4160)(3160
30.	FITTING - FUEL INLET GASKET - FITTING	75.	O-RING (2) - BALANCE TUBE (4160)(3160 BALANCE TUBE (4160)(3160) SCREW - PUMP DISC. NOZZLE
	GASKET - FILTER FILTER - FUEL	77.	GASKET (2) - PUMP DISC. NOZZLE

81. MAIN BODY ASSY. 82. GASKET - THROTTLE BODY

THROTTLE BODY ASSY.
AIR VENT VALVE OR CAP

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: PRIMARY SIDE (CHOKE SIDE) AND SECONDARY SIDE PARTS ARE NOT ALWAYS IDENTICAL. BE SURE TO MARK PARTS TAKEN FROM PRIMARY SIDE. SECONDARY THROTTLE DIAPHRAGM ASSY. (15) - IF TAKEN APART BE CAREFUL NOT TO TEAR DIAPHRAGM WHEN TAKING OUT OR INSTALLING COVER

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR CLEANING SOLVENT. 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 PARTS WITH ATTACHED PLASTIC PARTS FOR A LONG PERIOD OF TIME. DO NOT SOAK ANY PARTS CONTAINING RUBBER OR DIAPHRAGM ASSEMBLIES.

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

SPECIAL INSTRUCTIONS

THROTTLE BODY GASKET (82) - BE SURE HOLES ARE PROPERLY MATCHED TO THROTTLE BODY

POWER VALVE INSTALLATION

POWER VALVE INSTALLATION

SOME KIT APPLICATIONS - PRI. & SEC. VALVES ARE THE SAME.

SOME KIT APPLICATIONS - PRI. SIDE, USE THE VALVE WITH THE SMALLEST IDENTIFYING NUMBER. (STAMPED ON SIDE OF VALVE.)

SPECIAL NOTE: HI. PERF. CARB.

CARB. NO. R4778AAA PRI. 8.5 SEC. NONE

R4779AAA PRI. 8.5 SEC. NONE

R4780AAA PRI. 6.5 SEC. 8.5

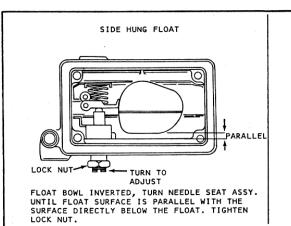
IDLE ADJ. NEEDLES (41) - TURN IN UNTIL LIGHTLY SEATED THEN BACK OUT I TURN. (DO NOT INSTALL IDLE LIMITER CAPS AT THIS TIME WHEN USED.) NOTE: SOME LATE CARBURETORS HAVE A "BACKWARDS" IDLE ADJUSTMENT, TURN NEEDLES IN TO RICHEN THE MIXTURE, BACK NEEDLES OUT TO LEAN THE MIXTURE.

77. GASNET (2) - PUMP DISC.
78. NOZZLE - PUMP DISC.
(OR BALL AND WEIGHT)
80. SCREW & LOCKWASHER (8) - THROTTLE BODY PRI. & SEC. FUEL BOWL - BEFORE INSTALLING MAKE DRY FLOAT LEVEL ADJUSTMENT.

O-RINGS - LUBRICATE LIGHTLY BEFORE INSTALLING.

ADJUSTMENTS

CENTER HUNG FLOAT

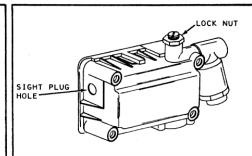


W) (e) Θ PARALLEL LOCK NUT TURN TO

FLOAT BOWL INVERTED, TURN NEEDLE SEAT ASSY. UNTIL FLOAT SURFACE IS PARALLEL WITH THE SURFACE DIRECTLY BELOW THE FLOAT.TIGHTEN LOCK NUT.

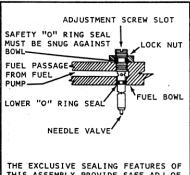
DRY FLOAT LEVEL ADJUSTMENTS

FIG. 1



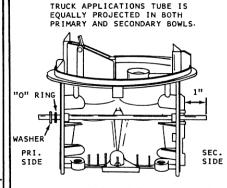
- CAR SETTING ON LEVEL SURFACE & ENGINE RUNNING. REMOVE SIGHT LEVEL PLUG FROM BOWL.
- ADJUST NEEDLE SEAT ASSY. SO FUEL LEVEL WILL BE AT BOTTOM EDGE OF SIGHT PLUG HOLE. (PLUS OR MINUS 1/32" TOLERANCE.) TIGHTEN LOCK NUT.

WET FLOAT LEVEL ADJUSTMENT FIG. 3



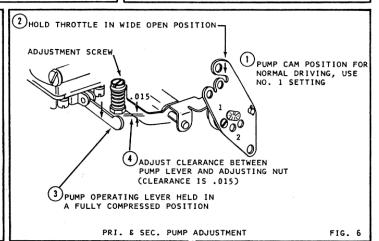
THIS ASSEMBLY PROVIDE SAFE ADJ. OF FUEL LEVEL WHILE ENGINE IS RUNNING

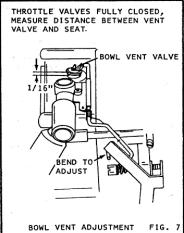
SAFETY SEAL ADJUSTABLE FUEL VALVE FIG. 4



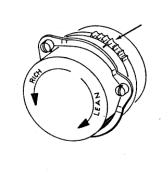
PASSENGER CARS TUBE IS PROJECTED 1 INCH FROM SECONDARY METERING BODY.

BALANCE TUBE POSITION



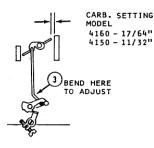


ALIGN MARK ON STAT COIL WITH INDEX ON CHOKE HOUSING. ALLOWABLE VARIATIONS, 2 MARKS EITHER WAY FROM INDEX.



AUTOMATIC CHOKE SETTING FIG. 8 2) CHOKE HELD TOWARD CLOSED POSITION, MEASURE BETWEEN UPPER EDGE OF CHOKE VALVE AND AIR HORN WALL.

FIG. 2



()THROTTLE HELD WIDE OPEN

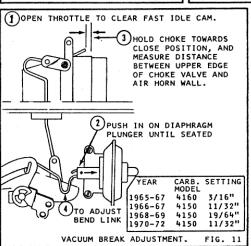
UNLOADER ADJUSTMENT FIG. 9 SECONDARY THROTTLE STOP SCREW, BACK OUT UNTIL SECONDARY THROTTLE PLATES ARE CLOSED. TURN SCREW IN UNTIL IT CONTACTS STOP, THEN TURN SCREW IN 1/2 - 3/4 TURNS MORE.



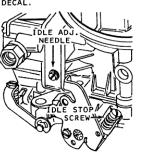
SECONDARY THROTTLE STOP ADJUSTMENT

FIG. 10

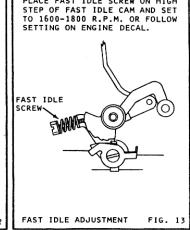
FIG.



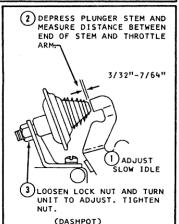
ENGINE AT OPERATING TEMP. AND CHOKE WIDE OPEN, ADJUST IDLE MIXTURE NEEDLES TO A SMOOTH IDLE. ADJUST IDLE STOP SCREW TO 500-550 R.P.M. OR FOLLOW SETTING ON ENGINE



SLOW IDLE ADJUSTMENT FIG. 12



PLACE FAST IDLE SCREW ON HIGH



SLOW CLOSING THROTTLE ADJ.