

ADJUSTMENT DATA TABLE

Motorcraft Carburetor Number	Holley Carburetor Number	Float Level Pri. Sec.	Fuel Level Pri. Sec.	Pump Cam Position	Pump Lever Setting	Choke Pulldown Setting	Choke Unloader Setting	Auto Choke Setting
SPECIFICATIONS - MODEL 2300, 2V CARBURETOR								
D1FF-LA	R-6150A	Fig. 1	Fig. 2	No. 2	.015	5/32"	5/16"	INDEX
D1JJ-B	R-6317-1A	Fig. 1	Fig. 2	No. 1	.015	5/32"	5/16"	3 LEAN
D3JL-S	R-7036A	Fig. 1	Fig. 2	No. 1	.015	5/32"	5/16"	3 LEAN
SPECIFICATIONS - MODEL 4150, 4V CARBURETOR								
D1FF-TA	R-6361A	Fig. 1	Fig. 2	No. 2	.015	9/64"	5/16"	INDEX
SPECIFICATIONS - MODEL 4160, 4V CARBURETOR								
C9FF-D	R-4473A	Fig. 1	Fig. 2	No. 1	.015	---	---	INDEX
C9FF-E	R-4608A	Fig. 1	Fig. 2	No. 2	.015	---	---	INDEX
D1FF-MA	R-6151A	Fig. 1	Fig. 2	No. 2	.015	9/64"	5/16"	INDEX
D1FF-NA	R-6152A	Fig. 1	Fig. 2	No. 2	.015	9/64"	5/16"	INDEX
D2JL-C	R-6407A	Fig. 1	Fig. 2	No. 2	.015	9/64"	5/16"	3 LEAN
D2JL-E	R-6576A	Fig. 1	Fig. 2	No. 1	.015	9/64"	5/16"	3 LEAN
SPECIFICATIONS - MODEL 4160, 4V CARBURETOR (Internal Needle & Seat)								
D4JL-J	R-7128A	*	---	No. 2	.015	9/64"	5/16"	*
D4JL-F	R-7169A	*	---	No. 2	.015	9/64"	5/16"	*
D4JL-G	R-7163A	*	---	No. 2	.015	9/64"	5/16"	*

*Check Boat Manufacturers Service Manual For Settings.

ADJUSTMENT

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

LOCK NUT
TURN TO ADJUST
PARALLEL

PRI. & SEC.
DRY FLOAT LEVEL ADJUSTMENTS FIG. 1

LOCK NUT
SIGHT PLUG HOLE
GASKET PLUG

- 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.

PRI. & SEC.
WET FLOAT LEVEL ADJUSTMENT FIG. 2

ADJUSTMENT SCREW SLOT
SAFETY "O" RING SEAL MUST BE SNUG AGAINST BOWL
LOCK NUT
FUEL PASSAGE FROM FUEL PUMP
LOWER "O" RING SEAL
NEEDLE VALVE
FUEL BOWL

THE EXCLUSIVE SEALING FEATURES OF THIS ASSEMBLY PROVIDE SAFE ADJ. OF FUEL LEVEL WHILE ENGINE IS RUNNING.

SAFETY SEAL ADJUSTABLE FUEL VALVE FIG. 3

CAUTION DO NOT EXERT PRESSURE ON RESILIENT NEEDLE VALVE.

TO ADJUST BEND TAB.

PRIMARY FLOAT SETTING MEASURE AT TOE END OF FLOAT.

SECONDARY FLOAT SETTING MEASURE AT HEEL END OF FLOAT.

FUEL BOWL INVERTED, WEIGH OF FLOAT RESTING ON SEATED NEEDLE, MEASURE DISTANCE BETWEEN FLOAT AND INSIDE SURFACE OF FUEL BOWL.

INTERNAL NEEDLE & SEAT
DRY FLOAT LEVEL ADJUSTMENT FIG. 4

- PUMP CAM IN PROPER POSITION.
- HOLD THROTTLE IN WIDE OPEN POSITION
- PUMP OPERATING LEVER HELD IN A FULLY COMPRESSED POSITION.
- ADJUST CLEARANCE BETWEEN PUMP LEVER AND ADJUSTING NUT (CLEARANCE IS .015)

ADJUSTMENT SCREW

PUMP ADJUSTMENT FIG. 5

- HOLD THROTTLE PLATE IN WIDE OPEN POSITION
- HOLD CHOKE TOWARDS THE CLOSED POSITION THEN MEASURE DISTANCE BETWEEN UPPER EDGE OF CHOKE VALVE & AIR HORN WALL.
- TO ADJUST BEND PAWL ON FAST IDLE SPEED LEVER.

5/16" CLEARANCE

UNLOADER ADJUSTMENT FIG. 6

PAPER CLIP .030- .036 DIA.

3/8"

1/8"

- MEASURE DISTANCE BETWEEN UPPER EDGE OF CHOKE VALVE AND AIR HORN WALL.
- INSERT BENT EDGE OF GAUGE INTO PISTON BORE UNTIL THE END OF THE BORE SLOT IS HOOKED.
- MOVE CHOKE VALVE TOWARD THE CLOSED POSITION UNTIL BOTTOM EDGE OF PISTON SLOT ENGAGES THE GAUGE.
- TO ADJUST BEND TANG ON PISTON LEVER.

CHOKE PLATE PULLDOWN ADJUSTMENT FIG. 7.

ALIGN MARK ON STAT COIL WITH PROPER INDEX MARK ON CHOKE HOUSING.

LEAN

AUTOMATIC CHOKE SETTING FIG. 8