### 50-569 **INSTRUCTION SHEET**

# MOTORCRAFT CARBURETOR - MODELS 2700/7200 VV

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

# VENTURI AIR COLD ENRICHMENT ROD (39) PROPER ASSEMBLY POSITION 23--49 24+© VENTURI VALVE

#### DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION

#### SPECIAL INSTRUCTIONS

CAUTION: ALWAYS BLOCK THE VENTURI VALVES WIDE OPEN WHEN WORKING ON MAIN METERING JETS. ITEM (37).

REMOVE THROTTLE POSITION SENSOR AND BRACKET AS AN ASSEMBLY, DO NOT LOUSEN SENSOR MOUNTING/ADJUSTING SCREWS, ITEM (2).

NOTE POSITION OF THE TWO LONG BOWL COVER SCREWS FOR PROPER REASSEMBLY.

PIVOT PLUGS (32) - SUPPORT BOWL COVER HINGE BRACKET (SMALL SOCKET, ETC.) THEN USING A SMALL PUNCH, LIGHTLY TAP PIVOT PLUG FROM PIVOT PIN. REMOVE VENTURI VALVE AND METERING ROD ASSEMBLY (34) BY SLIDING BACKWARD.

CUP PLUGS (36) - CAREFULLY PUNCH OR DRILL HOLE IN CENTER OF PLUG AND USING AND EASY OUT TYPE PULLER, TAP PLUG OUT OF BOWL COVER

MAIN JETS (37) - BEFORE REMOVING, USE A JET WRENCH OR PROPER FITTED SCREWDRIVER TO CAREFULLY TURN JETS IN CLOCKWISE COUNTING THE NUMBER OF TURNS IT TAKES TO SEAT JET IN CASTING. RECORD NUMBER OF TURNS TO THE NEAREST

REMOVE JETS, THEN IDENTIFY THE JETS AND METERING RODS, THROTTLE SIDE OR CHOKE SIDE, FOR PROPER ASSEMBLY.

CRANKING FUEL CONTROL VALVE - LOCATED IN BOTTOM OF FUEL BOWL (2700) THIS VALVE IS NOT REMOVED UNLESS COMPLETE REPLACEMENT OF VALVE IS MADE.

IDLE TRIM SCREWS (41) - BEFORE REMOVING USING AN ALLEN WRENCH, CAREFULLY TURN SCREWS IN CLOCKWISE COUNTING THE NUMBER OF TURNS IT TAKES TO SEAT SCREW IN CASTING. RECORD FOR PROPER REASSEMBLY.

WELCH PLUG (49), (60) - PUNCH OR DRILL HOLE IN CENTER OF PLUG, USING AN EASY OUT TYPE PULLER. TAP PLUG FROM SEAT.

CHOKE COVER RIVETS (64), 17200) REMOVE THE TOP TWO (THROUGH) RIVETS USING A 1/8 INCH DIAMETER ORIGINATION OF THE THROUGH THE RIVET HEAD' AND REMOVE. THE THROUGH THE RIVET HEAD' AND REMOVED BY LIGHTLY TAPPING THE BACKSIDE OF THE RETAINER RINGS USING A PUNCH AND HAMMER. THE RIVET. RETAINER RING, CHOKE HOUSING AND GASKET CAN THEN BE REMOVED.

CHOKE DIAPHRAGM COVER (69) - DO NOT PUT COVER IN ANY TYPE OF CLEANING FLUID. (FILTER & CHECK VALVE WILL, BE DAMAGED.)

#### NOMENCLATURE

WONETOLATOILE										
REF		REF.								
NO.	4	NO.								
1.	SCREW (2) - THROTTLE POSITION	37.	JET (2) - MAIN METERING							
1	SENSOR		O-RING (2) - MAIN JET							
2.	THROTTLE POSITION SENSOR ASSY.		SEAL - COLD ENRICHMENT ROD							
3.	SCREW - THROTTLE RETURN CONTROL		CUP PLUG (2) - IDLE TRIM SCREW							
4.	THROTTLE RETURN CONTROL & KICK		SCREW (2) - IDLE TRIM							
	DOWN LEVER RETURN SPRING	42.	O-RING (2) - IDLE TRIM SCREW							
5.	FITTING - FUEL INLET		WEIGHT - PUMP CHECK BALL							
	GASKET - FITTING	44.	BALL - PUMP CHECK							
	FILTER - FUEL	45.	SOLENOID - CRANKING ENRICHMENT							
	SPRING - FILTER	46.	O-RING - SOLENOID							
	E CLIP - PUMP ROD	47.	SCREW & LKWSHR. (4) - DIAPH, COVER							
10.	SCREW - CHOKE HEAT SHIELD (2700)		COVER - DIAPHRAGM							
	HEAT - SHIELD CHOKE (2700)	**49.	PLUG - VENTURI VALVE DIAPH, SCREW							
	E CLIP - CHOKE CONTROL ROD		GUIDE - SPRING							
•13.	SCREW & LKWSHR. (2) - COVER PLATE		SPRING - DIAPHRAGM							
	COVER PLATE - VENTURI VALVE	52.	DIAPHRAGM - VENTURI VALVE							
	PLUG - VENTURI AIR BYPASS SCREW	53.	SCREW & LKWSHR. (5) - THROTTLE							
	GASKET - COVER PLATE		BODY							
	ROLLER BEARINGS (2)		BOWL ASSEMBLY							
	HOSE - CHOKE FRESH AIR (7200)	55.	GASKET - THROTTLE BODY							
19.	SCREW & LKWSHR. (2) - BOWL COVER		FEEDBACK CONTROL MOTOR (7200)							
	(LONG)		GASKET - CONTROL MOTOR (7200)							
20.	SCREW & LKWSHR. (5) - BOWL COVER		VALVE - METERING (7200)							
21.	BOWL COVER ASSEMBLY	59.	SPRING - METERING VALVE (7200)							
	PUMP PLUNGER ASSEMBLY	*60.	PLUG - WIDE OPEN STOP SCREW							
	E CLIP - INTERNAL VENT VALVE (2700)		SCREW - WIDE OPEN STOP							
	VALVE - INTERNAL VENT (2700)	*62.	SPRING - WIDE OPEN STOP SCREW							
	SPRING - PUMP RETURN CUP - PUMP	•63.	SCREW (3) - RETAINER (2700)							
	STEM - PUMP	*64	RIVET (3) - RETAINER (7200)							
	PIN - FLOAT HINGE	65.	RETAINER - CHOKE THERMOSTATIC							
	FLOAT & LEVER ASSEMBLY		HOUSING							
	GASKET - BOWL COVER	66.	CHOKE THERMOSTATIC HOUSING							
	NEEDLE, SEAT & GASKET ASSEMBLY	67.	GASKET - THERMOSTATIC HOUSING							
	PIVOT PLUG (2) - VENTURI VALVE	-68.	SCREW & LKWSHR, (2) - DIAPH, COVER							
32.	PIVOT PIN (2) - VENTURI VALVE	-69.	COVER - DIAPHRAGM							
	VENTURI VALVE AND METERING ROD	*70.	LEAD BALL - COVER ADJ. SCREW							
U-4.	ASSEMBLY	-71.	SPRING - DIAPHRAGM							
35	BUSHING (2) - VENTURI VALVE	12.	DIAPHRAGM ASSY - (H.C.S.P. 2700)							
	CUP PLUG (2) - MAIN JET	70	(CHOKE 7200)							
50.	COL LEGG (2) - WAIN JE!	/3.	THROTTLE BODY ASSEMBLY							

\*DO NOT INSTALL THESE PARTS UNTIL AFTER BENCH ADJUSTMENTS ARE MADE
\*\*INSTALL AFTER FINAL RUNNING ADJUSTMENTS ARE MADE.

#### CLEANING

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARIS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR CLEANING SOLVENT. MAKE CERTAIN THE THROITLE BORES ARE FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSSE 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 CONTAINING NYLON OR RUBBER MATERIALS, SOLENOIDS, SWITCHES OR PARTS SUCH AS (2), (4), (29), (45), (59), (59), (69). (45), (56), (58), (66), (69).

#### REASSEMBLY

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

SPECIAL INSTRUCTIONS ON PAGE 2.

## **ADJUSTMENTS**

#### SPECIAL INSTRUCTIONS

CHECK ADJUSTMENTS, SOME ARE MADE AS CARBURETOR IS BEING ASSEMBLED.

O-RINGS - WHEN INSTALLING, LIGHTLY LUBRICATE WITH LIGHT OIL.

IDLE TRIM SCREWS (41) - TURN EACH SCREW IN CLOCKWISE UNTIL IT IS SEATED IN THE CASTING, THEN TURN SCREW COUNTERCLOCKWISE THE NUMBER OF TURNS RECORDED DURING DISASSEMBLY.

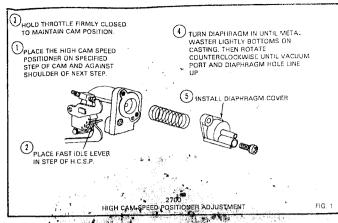
MAIN JETS (37) - TURN EACH MAIN JET IN CLOCKWISE UNTIL IT IS SEATED IN THE CASTING, THEN TURN JET COUNTERCLOCKWISE THE NUMBER OF TURNS RECORDED DURING DISASSEMBLY.

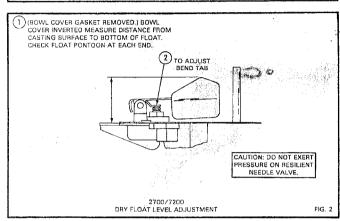
CUP PLUGS (36) - USING  $3/8^{\prime\prime}$  DRIFT PUNCH, INSERT PLUG IN HOLE,& TAP LIGHTLY UNTIL PLUG SEATS IN CASTING.

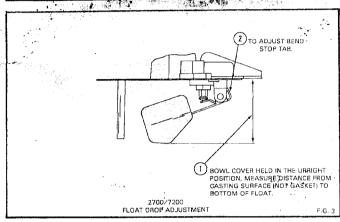
PIVOT PLUG (32) - TAPERED PLUGS CAN BE CAREFULLY PRESSED INTO THE PIVOT PIN USING A PILERS WITH PARALLEL JAWS IN THE OPEN POSITION.

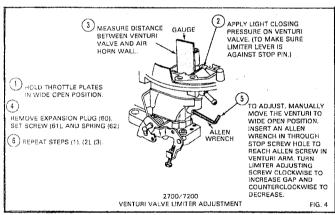
FLOAT HINGE PIN (28) - INSTALL PIN SO FLAT HEAD OF PIN IS IN THE RECESSED LEG OF FLOAT HANGER.  $\hfill\Box$ 

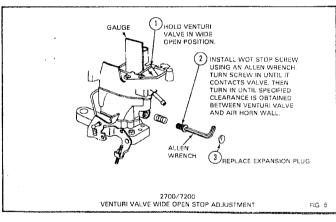
BOWL COVER ASSEMBLY (21)-WHEN INSTALLING ON MAIN BODY, BE SURE LIMITER LEVER IS MOVED FORWARD TO CLEAR VENTURI VALVE ARM AND VENTURI VALVE DIAPHRAGM STEM ENGAGES THE VENTURI VALVE PIN.

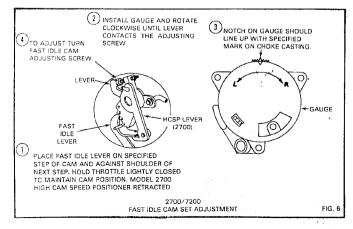


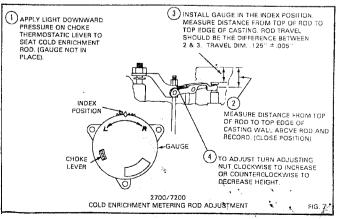




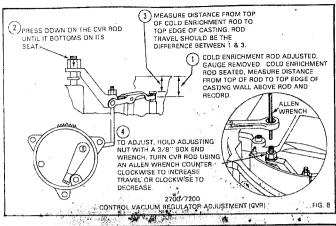


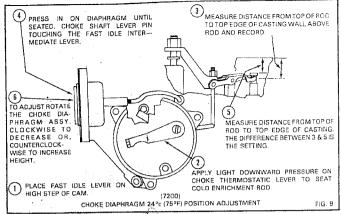


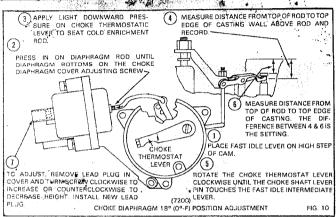


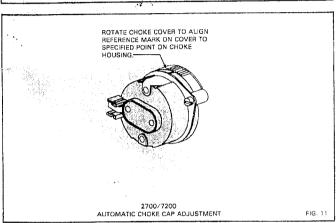


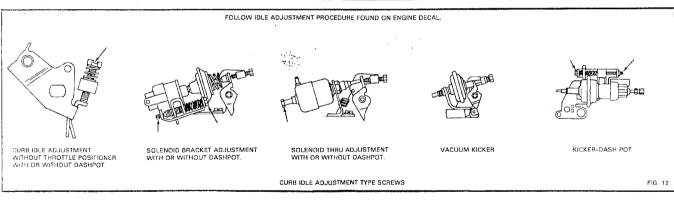
## **ADJUSTMENTS**

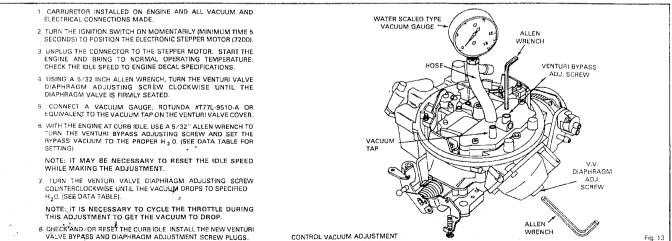




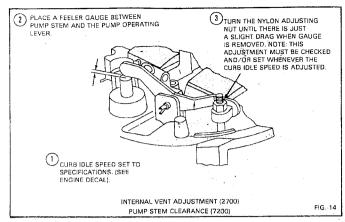


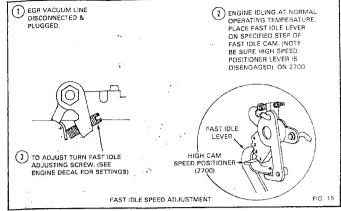


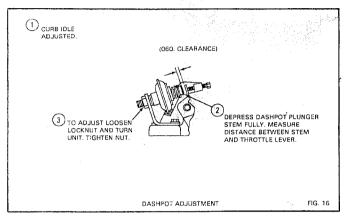




# **ADJUSTMENTS**







# ADJUSTMENT DATA TABLE

(ear	Application		High Cam Speed	Dry Float Level	Float Drop	Venturi Valve Limiter	Venturi Valve Wide Open	Fast Can Step		Cold Enrichment Rod	CVR	Choke Set 75°	Choke Set 0°	Auto Choke		Venturi Valve Diaph. * Screw	Pump (Vent)
979	Bobcat, Mustang, Pinto 2.8L Eng.	A/T	Step 2	1 3/64"	1 15/32"	13/32"	3/4	2nd	INR	.125"	.230			INDEX	6.8/7.3	4 6/5.1	.010
	Capri, Mustang 302" Eng.	A/T	Step 3	1 3/64"	1 15/32"	61/64"	1"	2nd	5NR	.125"	.230"			INDEX	4.975.6	4.6/5.1	010
	Fairmont, Granada, Monarch, Zephyr 302" Eng.	A/T	Step 3	1 3/64"	1 15/32"	61/64"	1	2nd	SNR	.125"	.230"			INDEX	4.9/5.6	4.6/51	.010
- 1	Ford, Mercury 302" Eng. Carb No. D9AE-J8, Y8 Carb. No. D9AE-C8, Z8	A/T	Step 4 Step 3	1 3/64" 1 3/64"	1 15/32" 1 15/32"	61/64" 61/64"	1" 1"	3rd 2nd	1NR 5NR	.125" .125"	.090.			INDEX	6.B/7.3 6.8/7.3	4.6/5.1 4.6/5.1	.010
	Versailles: 302" Eng. Carb. No. D94E-E8, GA Carb. No. D9DE-H8, D94E-JA	A/T	Step 3 Step 3	1 3/64" 1 3/64"	1 15/32" 1 15/32"	61/64" 61/64"	1"	2nd 2nd	5NR 5NR	.125" , .125"	.230" .230"			INDEX	6.8/7.3 4.9/5.6	4.675.1 4.675.1	.010
	Ford, Mercury 351"w Eng.	A/T		1 3/64"	1 15/32"	3/4"	1"	3rd	1NR	.125"	.250"	.240"	350"	INDEX	7.3/7.8	4.6/6.1	.020

'INCHES H<sub>2</sub>O (USE WATER SCALED TYPE VACUUM GAUGE)