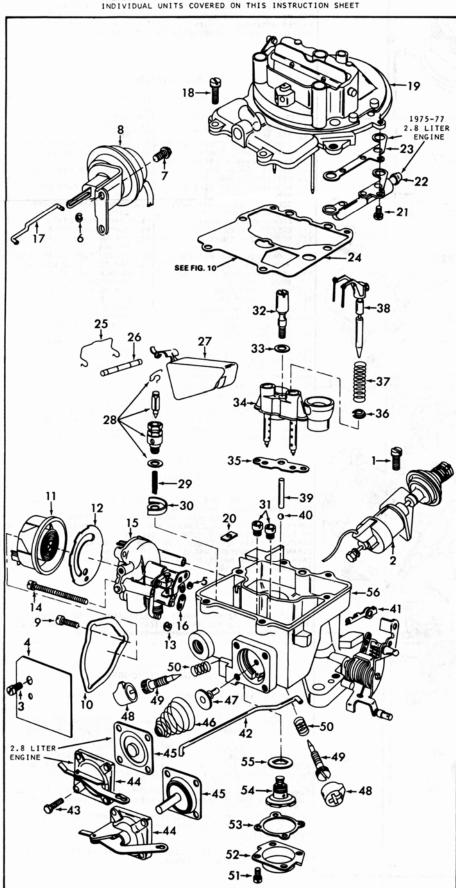
INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE MOTORCRAFT MODEL 2150

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO



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: WHEN REMOVING PUMP ROD RETAINER (41) MARK ROD HOLE POSITION ON LEVER FOR PROPER ASSEMBLY. TO REMOVE PLASTIC LIMITER CAPS (48) INSTALL A SHEET METAL SCREW IN THE CENTER OF THE CAP AND TURN COCKWISE

NOMENCI ATIIRE

NUMENCLATURE						
REF		REF.				
_						
1.	SCREW-TSP & DASHPOT	28. NEEDLE & SEAT ASSY.				
•	ASSY.	29. SCREEN-NEEDLE SEAT				
	TSP & DASHPOT ASSY.	30. BAFFLE-NEEDLE SEAT				
	SCREW-AIR SHIELD	31. JET(2)-MAIN METERING				
	AIR SHIELD	32. SCREW-PUMP DISCHARGE				
	RETAINER-CHOKE ROD	NOZZLE				
о.	RETAINER-CHOKE PULLDOWN	33. GASKET-PUMP DISC. SCREW				
7	SCREW(2)-CHOKE PULLDOWN	34. VENTURI CLUSTER ASSY.				
′.	ASSY.	35. GASKET-VENTURI CLUSTER 36. RETAINER-AIR METERING				
	CHOKE PULLDOWN MOTOR &	ROD SPRING				
0.	HOSE ASSY.	37. SPRING-AIR METERING ROD				
0	SCREW(3)-CHOKE COVER	RETURN				
٠.	CLAMP	38. AIR METERING ROD ASSY.				
10	CLAMP -CHOKE COVER	39. WEIGHT-DISCHARGE CHECK				
	CHOKE COVER & SPRING	BALL				
•••	ASSY.	40. BALL-PUMP DISCHARGE				
12.	GASKET-CHOKE COVER	CHECK				
	RETAINER-FAST IDLE CAM	41. RETAINER-PUMP ROD				
	ROD (LOWER)	42. ROD-PUMP				
14.	SCREW & LOCKWASHER(3)-	43. SCREW(4)-PUMP DIAPHRAGM				
3.3	CHOKE HOUSING	COVER				
15.	CHOKE HOUSING ASSY.	44. COVER-PUMP DIAPHRAGM				
16.	GASKET-CHOKE HOUSING	45. PUMP DIAPHRAGM ASSY.				
17.	LINK-CHOKE PULLDOWN	46. SPRING-PUMP DIAPHRAGM				
18.	SCREW & LOCKWASHER(6)-	RETURN				
	BOWL COVER	47. VALVE-PUMP INLET CHECK				
19.	BOWL COVER ASSY.	48. CAP(2)-IDLE LIMITER				
20.	SEAL-CHOKE ROD	49. NEEDLE(2)-IDLE ADJUSTING				
21.	SCREW & LOCKWASHER(3)-	50. SPRING(2)-IDLE ADJ.				
	DECEL VALVE FITTING	NEEDLE				
22.	FITTING-DECEL VALVE	51. SCREW & LOCKWASHER(4)-				
23.	GASKET-DECEL VALVE	ENRICHMENT VALVE COVER				
	FITTING	52. COVER-ENRICHMENT VALVE				
	GASKET-BOWL COVER	53. GASKET-COVER				
	RETAINER-FLOAT PIN	54. VALVE-ENRICHMENT				
	PIN-FLOAT HINGE	55. GASKET-ENRICHMENT VALVE				
27.	FLOAT & LEVER ASSY.	56. MAIN BODY ASSY.				

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK 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 CONTAINING RUBBER MATERIALS OR PARTS SUCH AS (2)(8)(11)(27) (30)(45)(54) IN CLEANING SOLVENTS.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

ENRICHMENT VALVE (54)- USE CARE WHEN TIGHTENING TO PREVENT DISTORTION OF GASKET (55).

IDLE ADJUSTING NEEDLES (49)- TURN IN UNTIL SEATED, THEN BACK OUT $1^1{\!}_2{\!}-2$ TURNS. (DO NOT INSTALL LIMITER CAPS AT THIS TIME.

PUMP INLET CHECK VALVE(47) INSTALLATION. - LUBRICATE TIP OF NEW VALVE AND INSERT IN CENTER HOLE OF PUMP CAVITY. USE NEEDLE NOSE PLIERS AND PULL THRU FROM FUEL BOWL SIDE UNTIL FULLY SEATED. CUT OFF VALVE TIP AT RETAINING SHOULDER.

PUMP DIAPHRAGM RETURN SPRING(46)INSTALLATION.-INSTALL LARGE OPEN END OF SPRING OVER RUBBER INLET CHECK VALVE(47).

NEEDLE & SEAT INSTALLATION (28)- REPLACEMENT NEEDLE & SEAT USES A GASKET. EXCEPT 2.8L ENG. WHICH WILL USE THE BAFFLE. (DO NOT USE A GASKET & BAFFLE (30) UNDER NEEDLE

CHOKE COVER(11)INSTALLATION-BE SURE TO INSTALL BI-METAL SPRING HOOK IN SLOT OF LEVER.

NOTE: 1974-75 TRUCK USING 330" ENG. EQUIPPED WITH MOTORCRAFT CAR-BURETOR MODEL 2100. (MANUAL CHOKE). SEE FIG. 10 FOR CORRECT BOWL COVER GASKET.

MOTORCRAFT CARBURETOR-MODEL 2150 WITH / ALTITUDE COMPENSATOR

GENERAL EXPLODED VIEW

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

SEE FIG. 10 32

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: WHEN REMOVING PUMP ROD RETAINER (35) MARK ROD HOLE POSITION ON LEVER FOR PROPER ASSEMBLY. TO REMOVE PLASTIC LIMITER CAPS (42) INSTALL A SHEET METAL SCREW IN THE CENTER OF THE CAP AND TURN CLOCKWISE.

NOMENCLATURE

REF.	T-11 - 12 - 13 - 13 - 13 - 13 - 13 - 13 -	REF	
NO.		NO.	
	W- AIR SHIELD	31.	SPRING- AIR METERING ROD
2. AIR		l	RETURN
	W- CHOKE COVER CLAMP		AIR METERING ROD ASSY.
	P- CHOKE COVER	33.	WEIGHT- DISCHARGE CHECK
	E COVER & SPRING ASSY.	١	BALL
	ET- CHOKE COVER	34.	BALL- PUMP DISCHARGE
	INER- CHOKE ROD		CHECK
8. RETA	INER- FAST IDLE CAM		RETAINER- PUMP ROD
	(LOWER)		ROD-PUMP
9. SCRE	W & LOCKWASHER (3)-	37.	SCREW (4)- PUMP DIAPHRAGE
СНОК	E HOUSING	1	COVER
10. CHOK	E HOUSING ASSY.		COVER PUMP DIAPHRAGM
11. GASK	ET- CHOKE HOUSING		PUMP DIAPHRAGM ASSY.
12. SCRE	W (2)- CHOKE PULLDOWN	40.	SPRING- PUMP DIAPHRAGM
ASSY	•	l	RETURN
13. CHOK	E PULLDOWN MOTOR &		VALVE - PUMP INLET CHECK
HOSE	ASSY.		CAP (2)- IDLE LIMITER
14. SCRE	W & LOCKWASHER (6)-	43.	NEEDLE (2)- IDLE
BOWL	COVER	1	ADJUSTING
15. BOWL	COVER ASSY.	44.	SPRING (2)- IDLE ADJ.
16. SEAL	- CHOKE ROD	ı	NEEDLE
17. GASK	ET- BOWL COVER	45.	SCREW & LOCKWASHER (4)-
18. RETA	INER- FLOAT PIN	1	ENRICHMENT VALVE COVER
19. FLOA	T & LEVER ASSY.		COVER- ENRICHMENT VALVE
20. SPRI	NG- DAMPER (WHERE		GASKET- COVER
USED)		VALVE- ENRICHMENT
21. PIN-	FLOAT HINGE		GASKET- ENRICHMENT VALVE
22. NEED	LE & SEAT ASSY.	50.	SCREW & LOCKWASHER (3)-
23. SCRE	EN- NEEDLE SEAT		ANEROID ASSY.
24. BAFF	LE- NEEDLE SEAT		ANEROID ASSY.
25. JET	(2)- MAIN METERING		GASKET- ANEROID ASSY.
26. SCRE	W- PUMP DISCHARGE	53.	SCREW & LOCKWASHER (4)-
NOZZ	LE	1	POPPET VALVE ASSY.
27. GASK	ET- PUMP DISC. SCREW		POPPET VALVE ASSY ALT
28. VENT	URI CLUSTER ASSY.	55.	GASKET- POPPET VALVE
29. GASK	ET- VENTURI CLUSTER		HOUSING
30. RETA	INER- AIR METERING	56.	MAIN BODY ASSY.
ROD	SPRING		

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 CONTAINING RUBBER MATERIALS OR PARTS SUCH AS (5)(13)(19)(51)(54) IN CLEANING SOLVENT.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

ENRICHMENT VALVE (48)- USE CARE WHEN TIGHTENING TO PREVENT DISTORTION OF GASKET (49).

IDLE ADJUSTING NEEDLES (43)- TURN IN UNTIL SEATED, THEN BACK OUT 1 1/2-2 TURNS. (DO NOT INSTALL LIMITER CAPS AT THIS TIME

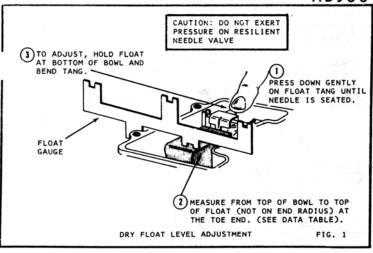
PUMP INLET CHECK VALVE (41)- INSTALLATION. - LUBRICATE TIP OF NEW VALVE AND INSERT IN CENTER HOLE OF PUMP CAVITY. USE NEEDLE NOSE PLIERS AND PULL THRU FROM FUEL BOWL SIDE UNTIL FULLY SEATED. CUT OFF VALVE TIP AT RETAINING SHOULDER.

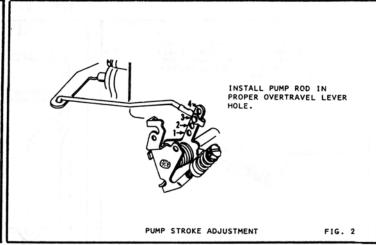
PUMP DIAPHRAGM RETURN SPRING (40)- INSTALLATION.- INSTALL LARGE OPEN END OF SPRING OVER RUBBER INLET CHECK VALVE (41).

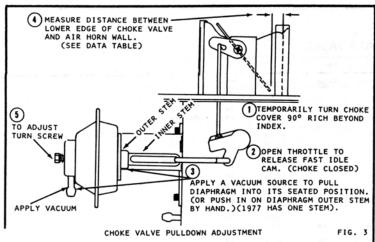
NEEDLE & SEAT (22) INSTALLATION-REPLACEMENT NEEDLE & SEAT USES A GASKET. (DO NOT USE GASKET & BAFFLE (24) UNDER NEEDLE SEAT.)

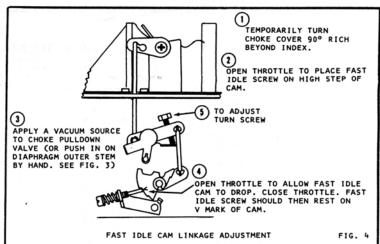
CHOKE COVER (5) INSTALLATION- BE SURE TO INSTALL BI-METAL SPRING HOOK IN SLOT OF LEVER.

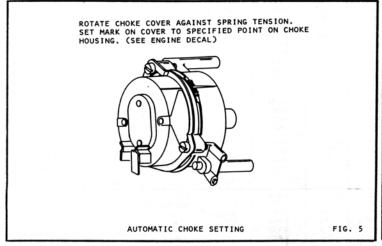
ADJUSTMENTS

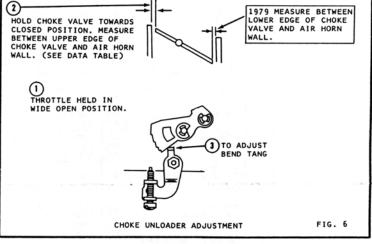


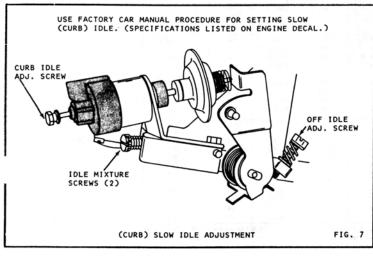


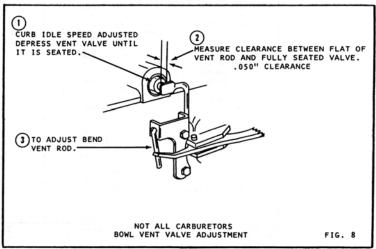


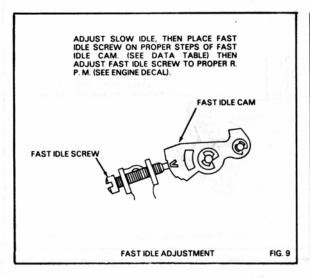


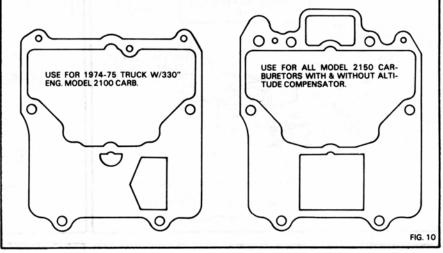












REV. 3-83

ADJUSTMENT DATA TABLE

Year	Application		Float Level (Dry)	Pump Overtravel Lever	Choke Valve Pulldown	Fast Idle Cam Linkage	Auto Choke	Unloader	Fast Idle R. P. M.
Ford	Motor Products	I-terbian.		1					
Pass.	Cars					1 1			
1975 2.8L,			3/8"	2	.145		2-RICH	1/4"	1600 2/S
302"	Eng.	AII/T	7/16"	2	.140		3-RICH	1/4"	2000/2100 H/S
302"	Eng. Carb. No's. D5DE-AEA,		10			1			
	D5WE-FA	AII/T	7/16"	2	.135		3-RICH	1/4"	E/D
351M		A/T	7/16"	3	.125	1 • 1	3-RICH	1/4"	1350 2/S
351W		A/T	7/16"	3	.140		3-RICH	1/4"	1400 2/S
400"		A/T	7/16"	3	.125		3-RICH	1/4"	1500 2/S
			7710	-			3-mon	1/4	1000 2/3
1976 2.8L,	Eng.	AII/T	3/8"	2	.110	.130	3-RICH	1/4"	E/D
2.8L,	Eng. Calif.	M/T	13/32"	2	.110	.130	3-RICH	1/4"	E/D
302"	Eng. Carb. No's. D5DE-AEA,		. 95	1 1				100	4.5
	D5WE-FA	AII/T	7/16"	2	.135 -		3-RICH	1/4"	E/D
3'12"	Eng.	AII/T	7/16"	2	.140	.160	3-RICH	1/4"	E/D
351M	. 351W Eng.	A/T	7/16"	3	.160	.180	3-RICH	1/4"	E/D
400"	Eng.	A/T	7/16"	1 4	.160	.180	3-RICH	1/4"	E/D
				 			0 111011		
1977 2.8L,	Eng.	M/T	3/8"	2	.114	.134	INDEX	1/4"	E/D
ALC: USE OF STREET		A/T	3/8"	3	.122	.142	2-RICH	1/4"	E/D
302"	Eng.	M/T	7/16"	3	.157	.177	INDEX	1/4"	E/D
	754	A/T	7/16"	3	.142	.162	INDEX	1/4"	E/D
CAN	ADA	A/T	7/16"	2	.140	.160	3-RICH	1/4"	E/D
	, Eng.	A/T	3/8"	3	.167	.187	2-RICH	1/4"	E/D
	Calif.	A/T	7/16"	3	.180	.200	2-RICH	1/4"	E/D
100	Canada	A/T	7/16"	3	.164	.184	2-RICH	1/4"	E/D
	Altitude	A/T	7/16"	3	.150	.170	2-RICH	1/4"	E/D
351W		A/T	7/16"	1 4	.170	.190	1-RICH	1/4"	
400"				3					E/D
400		A/T	7/16"		.185	.205	1-RICH	1/4"	E/D
	D7AE-TA	A/T	7/16"	3	.185	.205	3-RICH	1/4"	E/D
-	Calif.	A/T	7/16"	3	.175	.195	INDEX	1/4"	E/D
1978 2.8L	Eng. Federal	M/T	7/16"	3	.114		INDEX	1/4"	E/D
1		A/T	7/16"	3	.122		INDEX	1/4"	E/D
2 91	Eng. Federal Capri	M/T	7/16"	3					
2.6	eng. Federal capit			3	.114		INDEX	1/4"	E/D
		A/T	3/8"	3	.122		2NR	1/4"	E/D
1979 Bobca	at/Pinto 2.8L Eng.	A/T	7/16"	3	.118	•	INDEX	••	E/D
	Mustang 2.8L Eng.	M/T	7/16"	3	.138		INDEX		E/D
		A/T	7/16"	2	.118		INDEX		E/D
				-		-		-	
	s (Bronco)								
1974-75 330"	Eng. With Model 2100 Carb. M	/C M/T	7/16"	4	1011				
1975 302"	F	4.77	24/04//	2					*****
19/5 302	Eng.	A/T	31/64"		.160	1 . [3-RICH	1/4"	2000 H/S
	-	M/T	31/64"	2	.135	1	INDEX	1/4"	2000 H/S
351W		AII/T	31/64"	2	.160	.180	3-RICH	1/4"	E/D
	No. D6UE-JA	A/T	31/64"	2	.180	.200	3-RICH	1/4"	E/D
360"	Eng.	A/T	31/64"	3	.180	:	3-RICH	1/4"	1200 2/S
		M/T	31/64"	3	.180		2-RICH	1/4"	1200 2/S
	Eng. Carb. No's. D5TE-AAF,								
	YF, ZB	All/T	31/64"	3	.140	.160	2-RICH	1/4"	E/D
390"		A/T	31/64"	3	.180		2-RICH	1/4"	1200 2/S
Carb.	No. D5TE-BEB	A/T	31/64"	3	.140	.160	2-RICH	1/4"	E/D
		-,-		 _ 					
1976 302	Eng.	A/T	31/64"	2	.140	.160	3-RICH	1/4"	E/D
1 1 100	Service Self	M/T	31/64"	2	.140	.160	INDEX	1/4"	E/D
351W		AII/T	31/64"	2	.160	.180	3-RICH	1/4"	E/D
Carb.	No. D6UE-JA	A/T	31/64"	2	.180	.200	3-RICH	1/4"	E/D
360"	Eng. Carb. No's. D5TE-AAF,			1				w	5 1 / L
BYA,	YF, ZB	AII/T	31/64"	3	.140	.160	2-RICH	1/4"	E/D
360"		AII/T	31/64"	3	.180	.200	2-RICH	1/4"	E/D
390"	Eng. Carb. No. D5TE-BEB	A/T	31/64"	3	.140	.160	2-RICH	1/4"	E/D
390"		A/T	31/64"	3	.180	.200	2-RICH	1/4"	E/D
							2		2,0
	770000							1	
1977 302"	Eng.	A/T	31/64"	2	.140		3-RICH	1/4"	E/D
	State of the state of	M/T	31/64"	3	.140		3-RICH	1/4"	E/D
351M	Eng. F100	AII/T	31/64"	3	.160	. 1	INDEX	1/4"	E/D
1	F150/350	AII/T	31/64"	4	.160		3-RICH	1/4"	E/D
351W	Eng. E100	A/T	7/16"	2	.170		3-RICH	1/4"	E/D
33111	2.ig. 2100	M/T	7/16"	3	.170		3-RICH	1/4"	E/D
1	Calif.	A/T	7/16"	3	.170		INDEX	1/4"	E/D
25.00			31/64"	4	.170		2-RICH	1/4"	E/D
351W	, Eng. E-150/300	A/T							
		M/T	31/64"	4	.170	:	1-RICH	1/4"	E/D
400"	Eng. F100	A/T	31/64"	3	.160]	INDEX	1/4"	E/D
	F150/350	AII/T	31/64"	4	.160	1	3-RICH	1/4"	E/D
	F150/350	711/1	01/04	1 1	.100		5111011	1/4	2/0

M/C = Manual Choke
A/T = Automatic Transmission

H/S = High Step

• = See Figure 4

•• = Refer to Engine Decal

•• = Refer to Engine Decal