

FUEL SYSTEM

SERVICE INSTRUCTION WORKSHEET

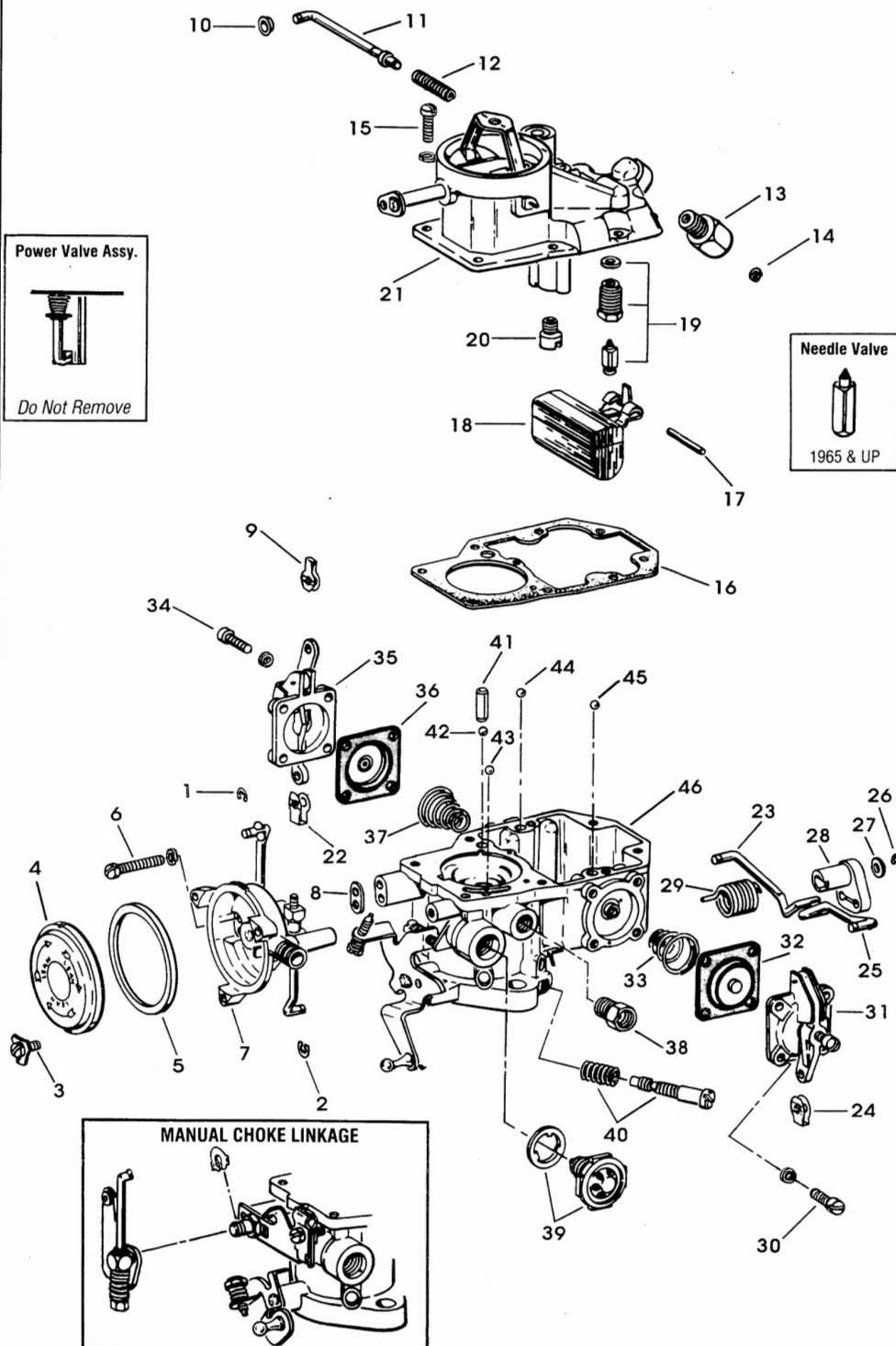
TO REPAIR

GF3492-4

FORD CARBURETOR

1 BARREL---Models 1100, 1101, F-1

EXPLODED VIEW



1. Carefully read the text in the following pages to become familiar with the contents of this worksheet before performing carburetor overhaul.

2. The exploded view is typical of the model carburetor this kit will service. The view may differ slightly from the actual carburetor being overhauled.

3. Use the exploded view as a guide. The numerical sequence of the parts list may generally be followed to disassemble the carburetor far enough to permit cleaning and inspection.

4. Parts list shown DOES NOT reflect the contents of the kit.

5. Kit may contain extra parts intended for other carburetors within this group. Substitute identical replacement parts for original worn parts found in carburetor.

CLEANING

Cleaning must be done with carburetor disassembled. Use spray cleaner and a stiff bristle brush to remove dirt and carbon deposits. Do not use abrasives and wires to clean parts and passageways. Wash off in suitable solvent, and clear all passageways with compressed air.

Caution: When cleaning with solvent do not soak or spray parts containing rubber, leather, plastic and electrical components.

PARTS LIST

1. Retainer, choke rod
2. Retainer, choke pull-down rod
3. Screw & retainer, cover (3)
4. Cover & coil assembly
5. Gasket, cover
6. Screw & L.W., choke housing
7. Choke housing & rods assy.
8. Gasket, choke housing
9. Retainer, vent valve rod
10. Bushing, vent valve rod
11. Rod, vent valve
12. Spring, vent valve rod
13. Fitting, fuel inlet
14. Filter, fitting
15. Screw & L.W., air horn (8)
16. Gasket, air horn
17. Pin, float hinge
18. Float assembly
19. Needle, seat & washer assy.
20. Jet, main metering
21. Air horn assembly
22. Retainer, pump rod
23. Rod, pump
24. Retainer, dashpot rod
25. Rod, dashpot
26. Retainer, pump lever
27. Washer, pump lever
28. Lever, pump
29. Spring, overtravel
30. Screw & L.W., cover (4)
31. Cover, dashpot
32. Diaphragm, dashpot
33. Spring, diaphragm return
34. Screw & L.W., cover (4)
35. Cover, pump
36. Diaphragm, pump
37. Spring, diaphragm return
38. Fitting, discharge line
39. Valve & gasket, spark control
40. Needle & spring, idle mixture
41. Weight, pump discharge check
42. Ball, pump discharge check
43. Ball, discharge check (223, 262 Eng.)
44. Ball, pump intake check
45. Ball, dashpot check
46. Main body & throttle valve assembly

☐ PARTS LIST SHOWN DOES NOT REFLECT THE CONTENTS OF THE KIT

ADJUSTMENT DATA

REMOVAL & INSTALLATION NOTES

1. Cover opening on intake manifold after carburetor is removed.
2. When disassembling air horn (21), do not remove the attached power valve.
3. When removing bushing (10), pry it out carefully to avoid damage.
4. Before removing linkages and rods, mark their position to indicate proper installation.
5. Before removing idle mixture needle (40) turn in until lightly seated, counting number of turns. Record for initial setting.
6. Install parts and components in reverse order of removal.
7. Check exploded view for proper location of check balls and weight. Note that three or four check balls are used in this carburetor.
8. Be sure that holes in air horn gasket (16) are properly lined up with passageways in main body.
9. When installing idle mixture needle (40), turn in until lightly seated, then back out number of turns recorded earlier.
10. When installing automatic choke cover (4), make sure loop on coil is hooked onto choke lever.

Fig. 1 FLOAT LEVEL ADJUSTMENT

1. With air horn assembly inverted, measure distance from gasket surface (without gasket) to top of float. It should be as specified.
2. To adjust, bend tang. **Caution: Do not exert pressure on needle valve as incorrect float level reading may result.**

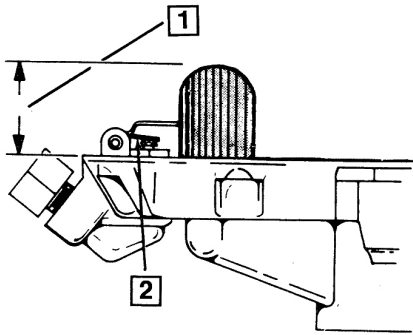


Fig. 3 IDLE VENT VALVE ADJUSTMENT

Note: Perform after accelerating pump lever adjustment.

1. With throttle valve held closed or in hot idle position, notch on vent valve rod to align with edge of vent rod bushing.
2. To adjust, bend actuating lever.

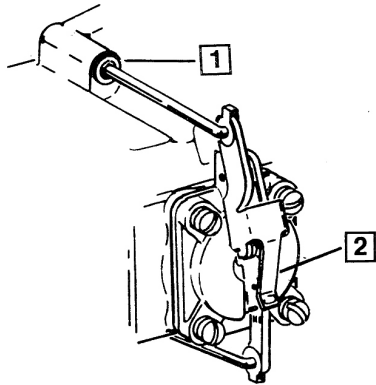


Fig. 5 CHOKE VALVE PULL-DOWN ADJUSTMENT (Manual Choke)

1. Place choke lever in full choke position.
2. Insert a gauge or drill bit of specified size between lower edge of choke valve and air horn wall.
3. While holding choke valve against gauge, adjust plastic nut until it contacts the swivel on the cam lever.

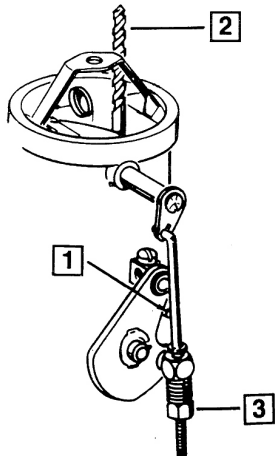


Fig. 2 ACCELERATING PUMP LEVER ADJUSTMENT

1. Back out fast & slow idle screws to completely close the throttle valve.
2. With roll pin in lower "hi" position in pump lever, measure distance between roll pin and pump cover surface using a gauge or drill bit. It should be as specified.
3. To adjust, bend rod.

Note: At 50° F and below, use "hi" position on pump lever. Above 50° F and/or 5000 ft. altitude, use "lo" position.

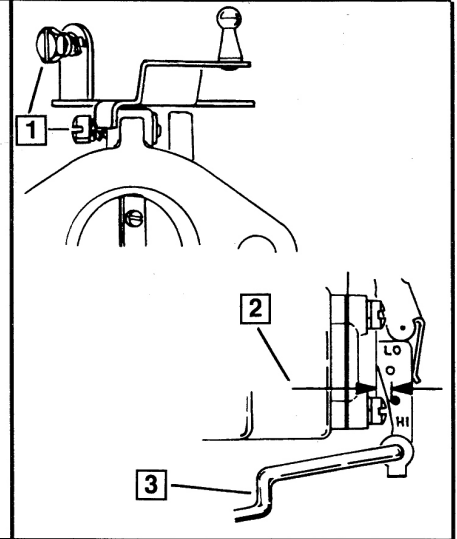


Fig. 4 CHOKE VALVE PULL-DOWN ADJUSTMENT Carb. Model 1100 (Auto. Choke)

Note: This adjustment should be done after fast idle speed adjustment has been completed. Refer to tune-up section in service manual.

1. Place fast idle adjusting screw on highest step of fast idle cam. (Maintain this position throughout this adjustment.)
2. Insert a gauge or drill bit of specified size between lower edge of choke valve and air horn wall.
3. While holding choke valve against gauge adjust plastic nut on choke pull-down rod until it contacts the swivel on the choke lever assembly.

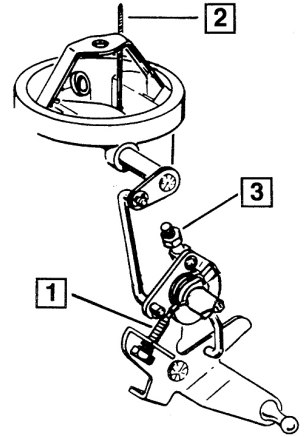


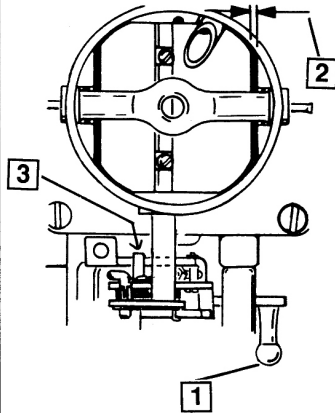
Fig. 6 CHOKE VALVE PULL-DOWN ADJUSTMENT (Carb. Model 1101)

1. Remove thermostatic coil and hold throttle valve half open so that fast idle screw does not contact fast idle cam.
2. Bend a .036" wire gauge at a 90° angle approximately 1/8" from the end.
3. Insert bent end between lower edge of choke piston slot and upper edge of right hand slot in choke housing.
4. Move piston lever counter-clockwise until gauge is snug in slot, and hold gauge in place by light pressure on lever.
5. Measure distance between lower edge of choke valve and air horn wall using a gauge or drill bit. It should be as specified.
6. To adjust, carefully bend choke piston link.

ADJUSTMENT DATA (Cont'd)

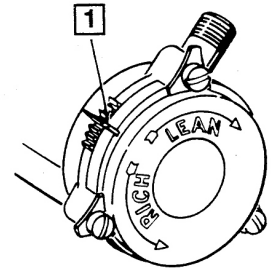
**Fig. 7
AUTOMATIC CHOKE UNLOADER
ADJUSTMENT**

1. Hold throttle valve in wide open position.
2. While choke valve is in closed position, measure distance between valve and air horn wall. It should be as specified.
3. To adjust, bend tang as shown.



**Fig. 8
AUTOMATIC CHOKE
ADJUSTMENT**

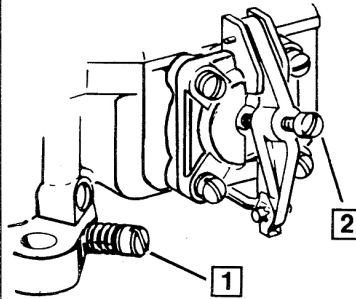
1. Rotate cover against thermostatic coil tension. Set mark on cover to specified mark on choke housing.



**Fig. 9
ANTI-STALL DASHPOT
ADJUSTMENT (Internal Type)**

1. With engine at normal operating temperature and choke valve completely open, adjust idle mixture screw for smooth idle, and idle stop screw to proper rpm.
2. Turn dashpot adjusting screw in until it just contacts dashpot plunger. Then, turn screw additional 3/4 - 3/4 turns.

Note: If return to idle is too slow, turn adjusting screw only 2 additional turns.



SPECIFICATION CHART

Year	Application	Float Level Fig. 1	Accel. Pump Fig. 2	Choke Pull-down Figs. 4, 5, 6	Unloader Fig. 7	Auto Choke Fig. 8
1969-68	200 Eng. -A/T	1-3/32	3/16	1/8	1/16	1NL
	-M/T - Exc.	1-3/32	5/32	5/32	1/16	3NL
	-Carb. No. C80F-A	1-3/32	3/16	5/32	1/16	2NL
	240, 250 Eng. -A/T	1-3/32	3/16	13/64	1/16	3NL
	-M/T	1-3/32	3/16	13/64	1/16	1NL
1967	170 Eng. -A/T	1-3/32	3/16	5/32	1/16	Index
	-M/T	1-3/32	3/16	7/64	1/16	2NL
	200 Eng. -A/T & Carb. No. C50F-R, Z	1-3/32	3/16	5/32	1/16	Index
	M/T - Exc.	1-3/32	3/16	9/64	1/16	1NL
	Carb. No. C70F-N	1-3/32	3/16	7/64	1/16	2NL
	240 Eng. -Carb. Nos. C7AF-AA; C6AF-S	1-3/32	13/64	13/64	1/16	Index
	C6AF-R, AK, BL	1-3/32	13/64	3/16	1/16	Index
C6AF-BM	1-3/32	13/64	1/8	1/16	2NR	
C7AF-AB	1-3/32	13/64	13/64	1/16	1NL	
1966	170 Eng. -A/T	1-3/32	3/16	5/32	1/16	Index
	-M/T	1-3/32	3/16	7/64 ¹	1/16	2NL ²
	200 Eng. -Carb. Nos. C50F-E, N, S, Y, AC	1-3/32	3/16	9/64	1/16	1NL
	C50F-F, R, Z	1-3/32	3/16	5/32	1/16	Index
	-M/T	1-3/32	3/16	9/64 ¹	1/16	1NL
	-A/T	1-3/32	3/16	5/32	1/16	Index
	240 Eng. -All/T	1-3/32	13/64 ³	13/64	1/16	Index

SPECIFICATION CHART (Cont'd)

Year	Application	Float Level Fig. 1	Accel. Pump Fig. 2	Choke Pull-down Figs. 4, 5, 6	Unloader Fig. 7	Auto Choke Fig. 8
FORD & MERCURY						
1965	170 Eng. -All/T - Exc. -Carb. Nos. C5DF-E, G C5DF-F, H, K	1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 3/16	9/64 7/64 5/32	1/16 1/16 1/16	Index 2NL Index
	200 Eng. -A/T -M/T -Taxi	1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 3/16	5/32 9/64 3/16	1/16 1/16 1/16	Index 1NL 1NL
	240 Eng. -All/T	1-3/32 ⁴	13/64	13/64	1/16	Index
	144 Eng. -All/T 170 Eng. -All/T - Exc. -Carb. Nos. C3YF-F, G -Carb. Nos. C40F-BA, BB	1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 3/16 5/16	3/8 3/8 1/8 3/8	1/16 1/16 1/16 1/16	5 5 Index 5
200 Eng. -A/T - Exc. -Carb. No. C3YF-H	1-3/32 ⁴ 1-3/32 ⁴	5/16 3/16	5/16 1/8	1/16 1/16	5 Index	
1964	223 Eng. -M/T - Exc. -Carb. Nos. C3AF-BS; C4AF-DR C4AF-DM	1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 5/16	5/16 3/8 3/8	1/16 1/16 1/16	5 5 5
	-A/T - Exc. -Carb. No. C3AF-BT; C4AF-DS C4AF-DN	1-3/32 ⁴ 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 5/16	5/16 3/8 3/8	1/16 1/16 1/16	5 5 —
	144, 170, 200, 223 Eng. -Exc. -Carb. Nos. C3GF-B; C3YF-B, H	1" 1"	3/16 3/16	5/32 5/32	1/16 1/16	5 Index
	1963					
FORD TRUCKS						
1967	170 Eng. - Exc. -Carb. Nos. C60F-AC; C70F-R C60F-AD C70F-N	1-3/32 ⁶ 1-3/32 1-3/32 1-3/32	3/16 3/16 3/16 3/16	3/8 5/32 9/64 7/64	1/16 1/16 1/16 1/16	5 Index 1NL 2NL
	240 Eng. - Exc. -Carb. Nos. C5TF-G; C6TF-E C60TF-BR	1-1/32 ⁷ 1-3/32 ⁸ 1-1/64	13/64 7/32 13/64	3/8 13/32 13/32	1/16 1/16 1/16	5 5 5
	300 Eng. - Exc. -Carb. No. C5TF-RC	1-1/64 1-3/32	7/32 7/32	— 13/32	1/16 1/16	5 5
	1966					
1965	170 Eng. - Exc. -Carb. Nos. C50F-AC, Y C50F-Z; C60F-G	1-3/32 ⁹ 1-3/32 1-3/32	3/16 3/16 3/16	3/8 9/64 ⁹ 5/32	1/16 1/16 1/16	5 1NL Index
	240 Eng. -Carb. Nos. C5TF-G, H, AC; C5UF-D -Carb. Nos. C5UF-H -Carb. Nos. C6TF-E, H, J, M; C6UF-C, D	1-3/32 1-3/32 1-1/64	7/32 15/64 7/32	25/64 — —	1/16 1/16 1/16	5 5 5
	300 Eng. - Exc. -Carb. No. C5TF-N	1-1/64 ¹⁰ 1-3/32	7/32 7/32	— 13/32	1/16 1/16	5 5
	170 Eng. - Exc. -Carb. Nos. C50F-E, F, N -Carb. No. C50F-R	1-3/32 1-3/32 ⁴ 1-3/32 ⁴	3/16 3/16 3/16	3/8 9/64 5/32	1/16 1/16 1/16	5 1NL ¹¹ Index
200 Eng. 240, 300 Eng.	1-3/32 1-3/32	3/16 ¹² 7/32	3/8 13/32	1/16 1/16	5 5	
1964	170, 200, 240, 250, 300 Eng. - Exc. Carb. No. C3UF-F	1" 1"	3/16 3/16	5/16 ⁹ 3/8	1/16 1/16	Index —
1963-61	170, 200, 240, 250, 300 Eng. - Exc. Carb. Nos. C3GF-B; C3YF-B	1" 1"	3/16 3/16	5/32 5/32	1/16 1/16	— Index

FOOTNOTES

- ¹ Carb. No. C6DF-C, M; C60F-F set 1/8.
- ² Carb. No. C6DF-C, M set 1NL.
- ³ Carb. No. C6AF-N set 5/32.
- ⁴ Carburetors with rubber float set 1"
- ⁵ Applications with manual choke.
- ⁶ Carb. No. C6TF-F set 1-1/32; Carb. No. C7TF-K set 1-1/16.
- ⁷ Carb. Nos. C6UF-V, AF; C7TF-R set 1-3/32;
- ⁸ Carb. Nos. C7TF-L, M set 1-1/64.
- ⁹ Carb. No. C6TF-E set 1-1/64.
- ⁹ Carb. Nos. C6DF-C; C3YF-H set 1/8.
- ¹⁰ Carb. Nos. C5TF-R, AH set 1-3/32.
- ¹¹ Carb. No. C50F-F set Index.
- ¹² Carb. No. C5UF-D set 7/32.

ABBREVIATIONS

- A/T Automatic Transmission
- All/T All Transmission
- Exc. Except
- M/T Manual Transmission
- L.W. Lock Washer