

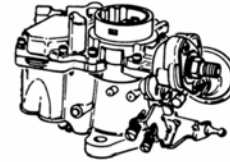
INSTRUCTION SHEET

HOLLEY CARBURETOR MODEL 1909

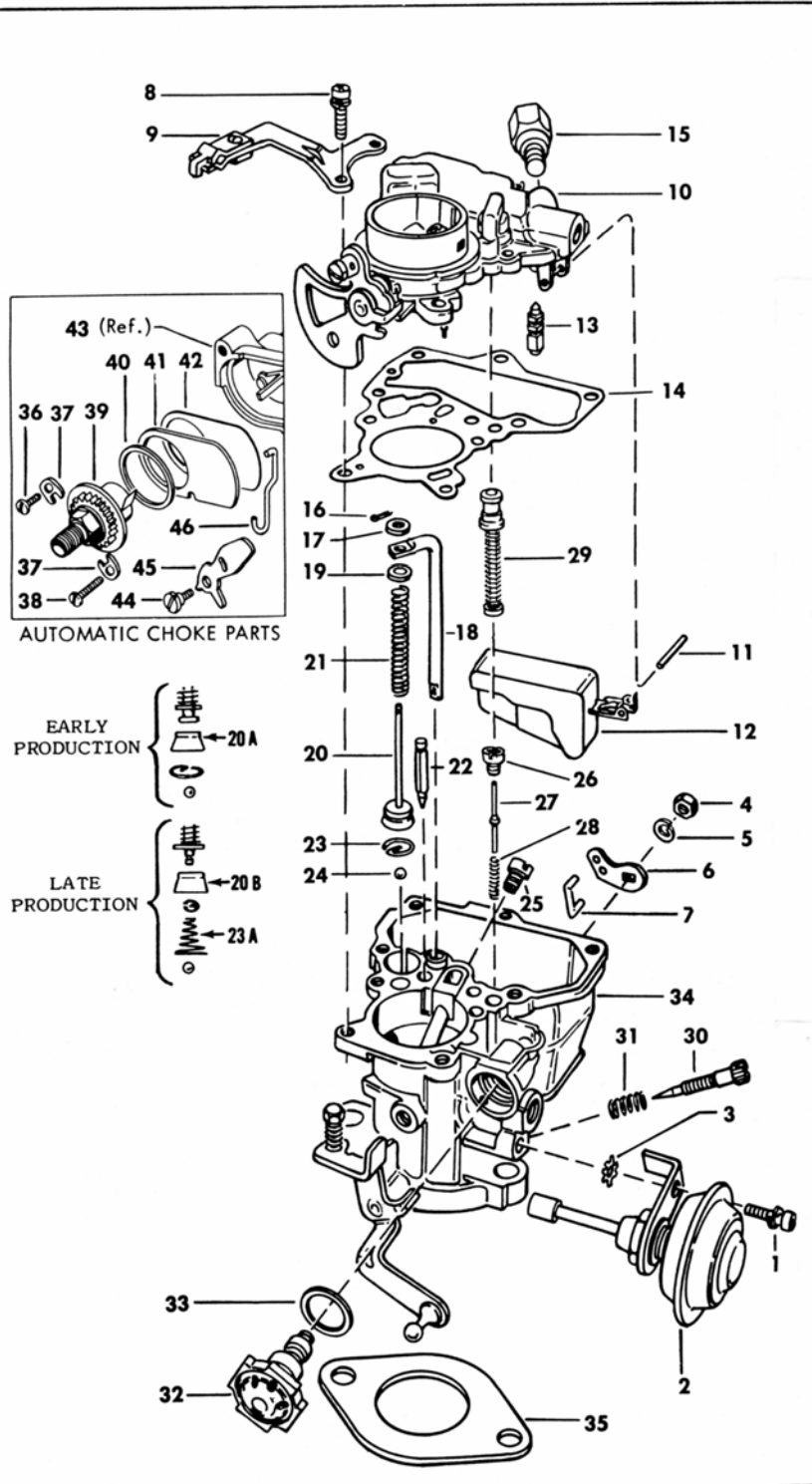
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GENERAL EXPLODED VIEW
THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO
INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET



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: REMOVE STAKING FROM BOWL COVER FOR EASY REMOVAL OF POWER PISTON ASSEMBLY (29).

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & LOCKWASHER-DASHPOT BRACKET	22. NEEDLE-PUMP DISCHARGE
2. DASHPOT ASSEMBLY	23. RETAINER-PUMP INTAKE CHECK BALL
3. LOCKWASHER	23A. SPRING-PUMP RETURN & CHECK BALL RETAINER
4. NUT-PUMP LEVER	24. BALL-PUMP INLET CHECK
5. LOCKWASHER-PUMP LEVER NUT	25. JET-MAIN METERING
6. LEVER-PUMP	26. RETAINER-POWER VALVE
7. LINK-PUMP	27. VALVE-POWER
8. SCREW & LOCKWASHER (8)-BOWL COVER	28. SPRING-POWER VALVE
9. BRACKET ASSY.-CHOKE CONTROL	29. POWER VALVE PISTON ASSY.
10. BOWL COVER ASSY.	30. NEEDLE-IDLE ADJUSTING
11. PIN-FLOAT HINGE	31. SPRING-IDLE ADJ. NEEDLE
12. FLOAT ASSEMBLY	32. VALVE-SPARK
13. NEEDLE-FUEL INLET	33. GASKET-SPARK VALVE
14. GASKET-BOWL COVER	34. MAIN BODY ASSY.
15. FITTING-FUEL INLET	35. GASKET-FLANGE
16. RETAINER-PUMP SPRING	36. SCREW-STAT COVER RETAINER
17. WASHER-PUMP PLUNGER	37. RETAINER-STAT COVER
18. ROD-PUMP OPERATING	38. SCREW-STAT COVER RETAINER
19. WASHER-PUMP PLUNGER	39. STAT COVER ASSEMBLY
20. PUMP PLUNGER ASSY.	40. GASKET-STAT COVER
20A. PUMP CUP-(FITS SNUG ON STEM)	41. PLATE-CHOKE HOUSING
20B. PUMP CUP-(FITS LOOSELY, HELD ON WITH E CLIP)	42. GASKET-CHOKE HSG. PLATE
21. SPRING-PUMP	43. BOWL COVER-(REF.)
	44. SCREW-FAST IDLE CAM
	45. CAM-FAST IDLE
	46. LINK-CHOKE FAST IDLE

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE (1) A CARBURETOR CLEANING SOLVENT, (2) LACQUER THINNER OR (3) DENATURED ALCOHOL. MAKE CERTAIN THE THROTTLE BODY IS FREE OF ALL CARBON DEPOSITS. WASH 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 ANY PARTS CONTAINING RUBBER, LEATHER OR PLASTIC IN CLEANING SOLVENT.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS. SEE OTHER SIDE.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (30). TURN NEEDLE IN LIGHTLY UNTIL SEATED. THEN BACK OUT 1 1/2 TURNS.

POWER PISTON (29) INSTALLATION. LIGHTLY STAKE CASTING AROUND WASHER.

POWER VALVE NEEDLE (27). INSTALL WITH TAPERED SEAT FACING UPWARD.

PUMP LINK (7). INSTALL WITH ENDS POINTING AWAY FROM CARBURETOR.

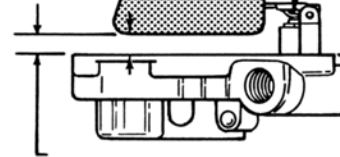
ADJUSTMENTS

YEAR	MAKE	CARB. NO.	FLOAT LEVEL
1963-65	AMERICAN MTRS.	R2387A	5/16"
		R2387-1A*	5/16"
		R2387-1A	13/32"
		R2555	5/16"
		R2555-1A, -2A, -3A	13/32"
		R2556A	5/16"
		R2556-1A, -2A	13/32"
		R2557A	5/16"
		R2557-1A*	5/16"
		R2557-1A	13/32"
1962-66	ALL FORD MODELS	—	5/16"

ADJUSTMENT DATA TABLE

- ① BOWL COVER INVERTED. MEASURE FROM SURFACE OF BOWL COVER TO TOP OF FLOAT AT FREE END. (SEE DATA TABLE FOR MEASUREMENT.)

- ② BEND TANG TO ADJUST

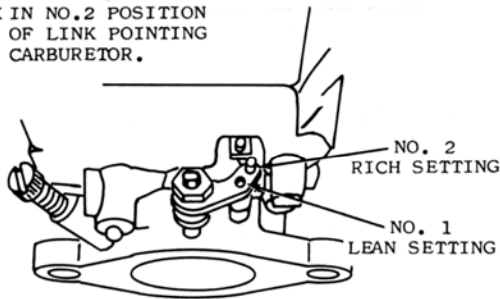


CAUTION: DO NOT EXERT PRESSURE ON RESILIENT NEEDLE VALVE.

FLOAT LEVEL ADJUSTMENT

Fig. 1

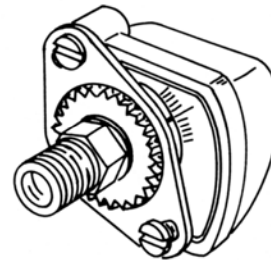
PLACE LINK IN NO. 2 POSITION WITH ENDS OF LINK POINTING AWAY FROM CARBURETOR.



PUMP LINK POSITION

Fig. 2

ROTATE STAT COVER AGAINST SPRING TENSION. SET MARK ON COVER TO INDEX MARK ON CHOKE HOUSING.

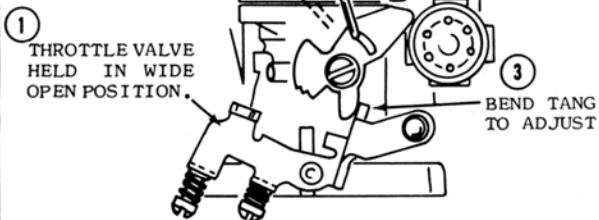


ALLOWABLE VARIATION 2 NOTCHES EITHER WAY FROM INDEX.

AUTOMATIC CHOKE ADJUSTMENT

Fig. 3

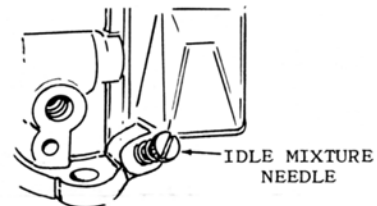
- ② HOLD CHOKE VALVE TOWARD CLOSED POSITION. MEASURE BETWEEN UPPER EDGE OF CHOKE VALVE AND INNER WALL OF AIR HORN.



UNLOADER ADJUSTMENT

Fig. 4

ENGINE AT OPERATING TEMP. AND CHOKE VALVE WIDE OPEN. ADJUST IDLE MIXTURE NEEDLE TO A SMOOTH IDLE. ADJUST IDLE STOP SCREW FOR PROPER R.P.M.

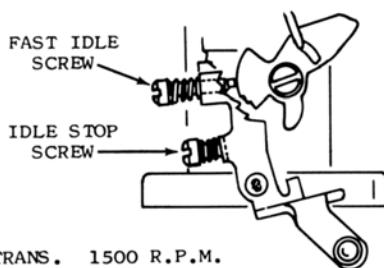


STD. TRANS. 500-550 R.P.M.
AUTO. TRANS. 500-525 R.P.M. IN DR.

SLOW IDLE ADJUSTMENT

Fig. 5

PLACE FAST IDLE SCREW ON HIGH STEP OF FAST IDLE CAM AND ADJUST TO PROPER R.P.M.

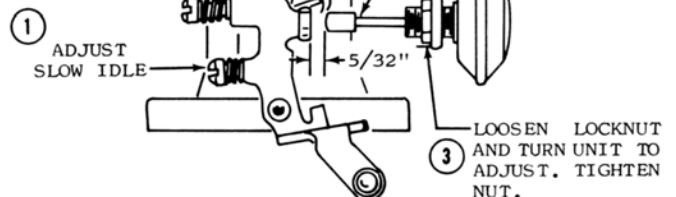


STD. TRANS. 1500 R.P.M.
AUTO. TRANS. 1800 R.P.M.

FAST IDLE ADJUSTMENT

Fig. 6

- ② DEPRESS PLUNGER STEM AND MEASURE DISTANCE BETWEEN END OF STEM AND THROTTLE ARM.



DASHPOT ADJUSTMENT

Fig. 7