INSTRUCTION SHEET 50-590-2 MOTORCRAFT CARBURETOR - MODEL 2700 / 7200 VV 1979-80

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



DISASSEMBLY

USE THE 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 VENTURIVALVES WIDEOPEN WHENWORKING ON THE MAIN METERING JETS. ITEM (35).

BEFORE REMOVING THROTTLE POSITION SENSOR (72) SCRIBE TWO MARKS ON SENSOR AND THROTTLE BODY FOR PROPER REASSEMBLY

NOTE POSITION OF THE TWO LONG BOWL COVER SCREWS FOR PROPER REASSEMBLY ITEM (19)

PIVOT PLUGS (30)- 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 (32) BY SLIDING BACKWARD

CUP PLUGS (34)- CAREFULLY PUNCH OR ORILL HOLE IN CENTER OF PLUG, THEN USING AN EASY OUT TYPE PULLER. TAP PLUG OUT OF BOWL COVER

MAIN JETS (35)-BEFORE REMOVING. USE JET WRENCH OR A PROPER FITTING SCREWDRIVER TO CAREFULLY TURN JETS IN CLOCKWISE, COUNTING THE EXACT NUMBER OF TURNS IT TAKES TO SEAT JET IN CASTING. RECORD NUMBER OF TURNS TO THE NEAREST % TURN.

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

IDLE TRIM SCREWS (39) 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 (2700 ONLY)

WELCH PLUG (45) (52) PUNCH OR DRILL HOLEIN CENTER OF PLUG, USING AN EASYOUT TYPE PULLER TAP PLUG FROM SEAT

CHOKE COVER RIVETS (56) (7200)-- REMOVE THE TOP TWO (THROUGH) RIVETS USING A 1/8 INCH DIAMETER DRILL DRILL THROUGH THE RIVET HEAD AND REMOVE THE THIRD (BOTTOM) RIVET IS LOCATED IN A "BLIND" HOLE. AND MUST BE REMOVED BY LIGHTLY TAPPING THE BACKSIDE OF THE RETAINER RING, USING A PUNCH AND HAMMER THE RIVET, RETAINER RING, CHOKE HOUSING AND GASKET. CAN THEN BE REMOVED

CHOKE DIAPHRAGM COVER (61). DO NOT PUT COVER IN ANY TYPE OF CLEANING FLUID. (FILTER ANO CHECK VALVE WILL BE DAMAGED)

NOMENCLATURE

| | REF NO | REF NO |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | NC 1 SCREW- THROTTLE RETURN CONTROL 2 THROTTLE RETURN CONTROL 3 FITTING FUEL INLET 4. GASKET- FITTING 5 FILTER- FUEL 6 SPRING- FILTER 7. E- CLIP- PUMP ROD 8 FEEDBACK CONTROL MOTOR (7200) 9. GASKET- CONTROL MOTOR (7200) 10. VALVE- METERING (7200) 11. SPRING- METERING VALVE (7200) 12. E- CLIP- CHOKE CONTROL ROD 12. E- CLIP- CHOKE CONTROL ROD | NO 39 SCREW (2)- IDLE TRIM (2700) 40 O- RING (2)- IDLE TRIM SCREW (2700) 41 WEIGHT- PUMP CHECK BALL 42. BALL- PUMP CHECK 43. SCREW & LOCKWASHER (4)- DIAPHRAGM COVER. 44 COVER- DIAPHRAGM •• 45 PLUG- VENTURI VALVE DIAPHRAGM SCREW 46 GUIDE- SPRING 47 SPRING- DIAPHRAGM 48. DIAPHRAGM- VENTURI VALVE 49 SCREW & LOCKWASHER (5)- |
| | 13. SCREW & LOCKWASHER (2)- COVER PLATE | THROTTLE BODY. |
| | 14 COVER PLATE- VENTURI VALVE 15. PLUG- VENTURI AIR BYPASS SCREW 16 GASKET- COVER PLATE | 50 BOWL ASSEMBLY 51 GASKET- THROTTLE BODY 52 PLUG- WIDE OPEN STOP SCREW 53 CORENN UNDE OPEN STOP |
| | 17 ROLLER BEARINGS (2) 18 HOSE- CHOKE FRESH AIR (7200) 19 SCREW & LOCKWASHER (2)- 80WL | • 54 SPRING- WIDE OPEN STOP SCREW • 55. SCREW (3)- RETAINER |
| | COVER (LONG) 20 SCREW & LOCKWASHER (5)- BOWL COVER. | • 50. HIVET (3): RETAINER (7200 CADP) • 57. RETAINER- CHOKE THERMOSTATIC HOUSING. |
| " | 21. BOWL COVER ASSEMBLY 22. PUMP PLUNGER ASSEMBLY 23. SPRING- PUMP RETURN | 58 CHOKE THERMOSTATIC HOUSING 59. GASKET- THERMOSTATIC HOUSING 60. SCREW & LOCKWASHER (2)- |
| | 24. CUP- PUMP 25. STEM- PUMP 26. PIN- FLOAT HINGE | DIAPHRAGM HOUSING • 61 COVER- DIAPHRAGM • 62. LEAD BALL- COVER ADJ SCREW |
| > | 27 FLOAT & LEVER ASSEMBLY 28. GASKET— BOWL COVER 29 NEEDLE SEAT & GASKET ASSEMBLY | • 63 SPRING- DIAPHRAGM 64. OIAPHRAGM ASSEMBLY- CHOKE 65. NUT |
| é | 30 PIVOT PLUG (2)- VENTURI VALVE 31. PIVOT PIN (2)- VENTURI VALVE 32. VENTURI VALVE AND METERING ROD ASSEMBLY | 69. LOUKWASHEN 67. LEVER & FAST IDLE SCREW 68. BUSHING: FAST IDLE CAM LEVER 69. LEVER: FAST IDLE CAM |
| | 33. BUSHING (2)- VENTURI VALVE 34. CUP PLUG (2)-MAIN JET 35 JET (2)-MAIN METERING | 70 E-CLIP- THROTTLE SHAFT 71. SCREW & LOCKWASHER (2)- SENSOR |
| | 38 O.RING (2)- MAIN JET 37 SEAL- COLD ENRICHMENT ROD 38. CUP PLUG (2)- IDLE TRIM SCREW | 72. THROTTLE POSITION SENSOR 73. THROTTLE BODY ASSEMBLY |
| 1 | (2700). | |

INSTALL THESE PARTS AS BENCH ADJUSTMENTS ARE MADE.

INSTALL AFTER FINAL RUNNING ADJUSTMENTS ARE MADE.

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBELED. 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 SUCCENT MARE CERTIAIN THE THRUTLE BURES ARE FREE OF ALL CARBON AND VARINGE DEPOSITS. RINSE OFF IN A SUITABLE SOLVENT, BLOW OUT ALL PASSAGES IN THE CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTION: DO NOT SOAK PARTS SOCHAINING NYLON OR RUBBER. THESE INCLUDE SOLENOIDS, SWITCHES, OR PARTS SUCHAS(2), (B). (10), (19), (27). (58). (61) (72)

REASSEMBLY

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

SPECIAL INSTRUCTIONS ON PAGE 2

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