

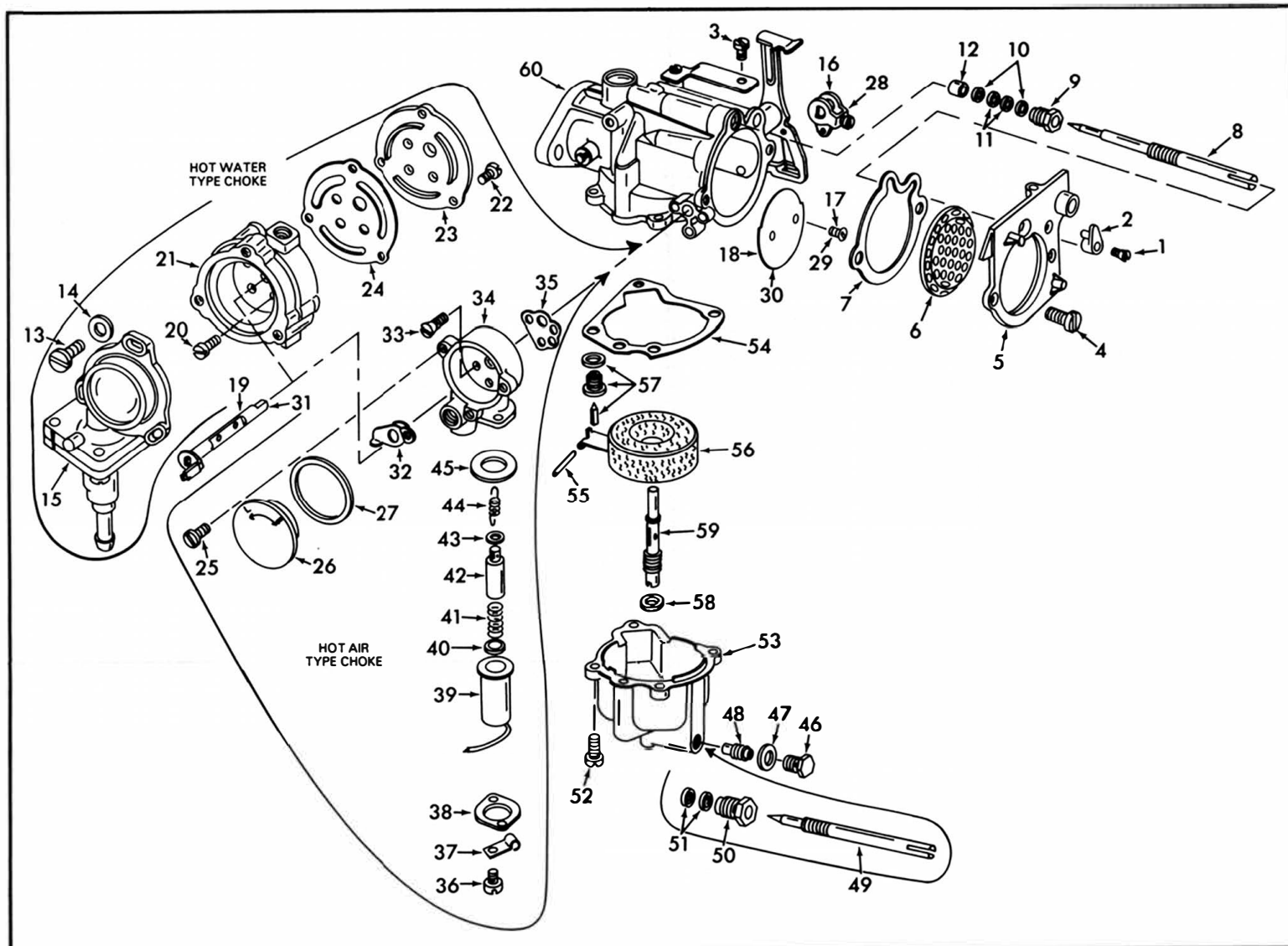
INSTRUCTION SHEET

OFF ENGINE CARBURETOR SERVICE

EVINRUDE - JOHNSON

50-650

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



NOMENCLATURE

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: STAKING MUST BE FILED OFF CHOKE PLATE SCREWS (17 and 29) BEFORE REMOVING.

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 RUBBER PARTS, PARTS WITH DECALS (5), CORK FLOAT (56), STAT COVER ASSEMBLY (15), OR SOLENOID (39), IN CLEANING SOLVENTS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS.

SPECIAL INSTRUCTIONS

FLOAT SETTING - CARBURETOR BODY INVERTED, TOP OF FLOAT SHOULD BE FLUSH OR PARALLEL WITH GASKET SURFACE OF CARBURETOR BODY. TO ADJUST, CAREFULLY BEND FLOAT LEVER. CAUTION: DO NOT EXERT PRESSURE ON RESILIENT NEEDLE VALVE

HIGH SPEED NEEDLE (49) - TURN NEEDLE IN LIGHTLY UNTIL SEATED, THEN BACK OUT 3/4 TURN. FINAL ADJUSTMENT MADE ON ENGINE.

STAT COVER (15 AND 26) INSTALLATION - BE SURE STAT SPRING HOOK CONTACTS CHOKE SHAFT LEVER. ALIGN INDEX MARKS FOR SETTING.

SLOW SPEED NEEDLE INSTALLATION AND ADJUSTMENT - INSTALL BUSHING (12) TAPERED END IN FIRST, WASHER (10), PACKING (11); THEN WASHER (10) AND NUT (9). TURN NEEDLE IN LIGHTLY UNTIL SEATED, THEN BACK OUT 1 TURN. FINAL ADJUSTMENT MADE ON ENGINE.

REF. NO.	REF. NO.
1. SCREW-ADJ. KNOB	30. VALVE-CHOKE
2. KNOB-SLOW SPEED ADJ.	31. CHOKE SHAFT & ARM ASSY.
3. SCREW-PANEL	32. LEVER-CHOKE OVERRIDE
4. SCREW (2)-CONTROL PANEL	33. SCREW (3)-CHOKE HOUSING
5. CONTROL PANEL & TRANSFER ASSY.	34. CHOKE HOUSING ASSY.
6. SCREEN-AIR INTAKE	35. GASKET-CHOKE HOUSING
7. GASKET-CONTROL PANEL (SOME MODELS)	36. SCREW (2)-SOLENOID RETAINER
8. NEEDLE VALVE-SLOW SPEED	37. CLAMP-SOLENOID LEAD
9. NUT-PACKING	38. RETAINER-SOLENOID
10. WASHER-PACKING	39. SOLENOID
11. PACKING	40. GUIDE-SOLENOID SPRING
12. BUSHING-NEEDLE VALVE	41. SPRING-SOLENOID PLUNGER
13. SCREW (3)-STAT RETAINER	42. PLUNGER-SOLENOID
14. WASHER (3)-STATE RETAINER SCREW	43. WASHER-SOLENOID PLUNGER
15. STAT COVER & VACUUM DIAPHRAGM ASSY.	44. SPRING-ARM TO PLUNGER
16. MANUAL CHOKE ARM & PIN ASSY.	45. GASKET-SOLENOID TO HOUSING
17. SCREW & LKWSHR. (2)-CHOKE VALVE	46. SCREW PLUG-FUEL PASSAGE
18. VALVE-CHOKE	47. GASKET-SCREW PLUG
19. CHOKE SHAFT & ARM ASSY.	48. JET-MAIN (SOME MODELS)
20. SCREW (3)-CHOKE HOUSING	49. NEEDLE VALVE-HIGH SPEED (SOME MODELS)
21. CHOKE HOUSING ASSY.	50. NUT-PACKING (SOME MODELS)
22. SCREW (3)-CHOKE HOUSING COVER	51. PACKING (SOME MODELS)
23. COVER-CHOKE HOUSING	52. SCREW (4)-FLOAT BOWL
24. GASKET-CHOKE HOUSING COVER	53. FLOAT BOWL
25. SCREW (3)-STAT COVER	54. GASKET-FLOAT BOWL
26. STAT COVER	55. PIN-FLOAT HINGE
27. GASKET-STAT COVER	56. FLOAT & LEVER ASSY.
28. MANUAL CHOKE ARM & PIN ASSY.	57. NEEDLE, SEAT & GASKET ASSY.
29. SCREW & LKWSHR. (2)-CHOKE VALVE	58. GASKET-CARBURETOR BODY
	59. NOZZLE-HIGH SPEED
	60. BODY ASSY.-CARBURETOR